

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	21.90	0.43	20.18	<=34.77	Pass		
			13	20.79	0.43	19.07	<=34.77	Pass		
			24	21.22	0.43	19.50	<=34.77	Pass		
		12	0	20.86	0.43	19.14	<=34.77	Pass		
			6	20.53	0.43	18.81	<=34.77	Pass		
			13	20.62	0.43	18.90	<=34.77	Pass		
		25	0	20.60	0.43	18.88	<=34.77	Pass		
		710	1	0	20.54	0.43	18.82	<=34.77	Pass	
				13	22.18	0.43	20.46	<=34.77	Pass	
	24			21.97	0.43	20.25	<=34.77	Pass		
	12		0	21.17	0.43	19.45	<=34.77	Pass		
			6	21.94	0.43	20.22	<=34.77	Pass		
			13	22.25	0.43	20.53	<=34.77	Pass		
	25		0	21.77	0.43	20.05	<=34.77	Pass		
	713.5		1	0	22.38	0.43	20.66	<=34.77	Pass	
				13	20.43	0.43	18.71	<=34.77	Pass	
		24		18.93	0.43	17.21	<=34.77	Pass		
		12	0	21.61	0.43	19.89	<=34.77	Pass		
			6	20.61	0.43	18.89	<=34.77	Pass		
			13	19.42	0.43	17.70	<=34.77	Pass		
		25	0	20.62	0.43	18.90	<=34.77	Pass		
		16QAM	706.5	1	0	20.82	0.43	19.10	<=34.77	Pass
					13	20.12	0.43	18.40	<=34.77	Pass
	24				20.73	0.43	19.01	<=34.77	Pass	
12	0			20.45	0.43	18.73	<=34.77	Pass		
	6			20.22	0.43	18.50	<=34.77	Pass		
	13			20.39	0.43	18.67	<=34.77	Pass		
25	0			20.38	0.43	18.66	<=34.77	Pass		
710	1			0	20.47	0.43	18.75	<=34.77	Pass	
				13	22.13	0.43	20.41	<=34.77	Pass	
			24	21.89	0.43	20.17	<=34.77	Pass		
	12		0	21.08	0.43	19.36	<=34.77	Pass		
			6	21.81	0.43	20.09	<=34.77	Pass		
			13	21.62	0.43	19.90	<=34.77	Pass		
	25		0	21.53	0.43	19.81	<=34.77	Pass		
	713.5		1	0	22.39	0.43	20.67	<=34.77	Pass	
				13	20.48	0.43	18.76	<=34.77	Pass	
24				19.04	0.43	17.32	<=34.77	Pass		
12			0	21.54	0.43	19.82	<=34.77	Pass		
			6	20.55	0.43	18.83	<=34.77	Pass		
			13	19.37	0.43	17.65	<=34.77	Pass		
25			0	20.48	0.43	18.76	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B17_10MHz_ERP

Test Report Number: BTF240105R00405

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	709	1	0	20.92	0.43	19.20	<=34.77	Pass		
			25	21.36	0.43	19.64	<=34.77	Pass		
			49	20.67	0.43	18.95	<=34.77	Pass		
		25	0	20.39	0.43	18.67	<=34.77	Pass		
			13	21.31	0.43	19.59	<=34.77	Pass		
			25	21.77	0.43	20.05	<=34.77	Pass		
		50	0	21.09	0.43	19.37	<=34.77	Pass		
		710	1	0	19.92	0.43	18.20	<=34.77	Pass	
				25	21.75	0.43	20.03	<=34.77	Pass	
	49			19.23	0.43	17.51	<=34.77	Pass		
	25		0	20.45	0.43	18.73	<=34.77	Pass		
			13	21.48	0.43	19.76	<=34.77	Pass		
			25	21.23	0.43	19.51	<=34.77	Pass		
	50		0	20.85	0.43	19.13	<=34.77	Pass		
	711		1	0	19.76	0.43	18.04	<=34.77	Pass	
				25	21.97	0.43	20.25	<=34.77	Pass	
		49		18.61	0.43	16.89	<=34.77	Pass		
		25	0	20.94	0.43	19.22	<=34.77	Pass		
			13	21.49	0.43	19.77	<=34.77	Pass		
			25	20.47	0.43	18.75	<=34.77	Pass		
		50	0	20.71	0.43	18.99	<=34.77	Pass		
		16QAM	709	1	0	20.39	0.43	18.67	<=34.77	Pass
					25	21.10	0.43	19.38	<=34.77	Pass
	49				20.31	0.43	18.59	<=34.77	Pass	
25	0			20.27	0.43	18.55	<=34.77	Pass		
	13			21.22	0.43	19.50	<=34.77	Pass		
	25			21.64	0.43	19.92	<=34.77	Pass		
50	0			20.96	0.43	19.24	<=34.77	Pass		
710	1			0	19.90	0.43	18.18	<=34.77	Pass	
				25	21.81	0.43	20.09	<=34.77	Pass	
			49	19.28	0.43	17.56	<=34.77	Pass		
	25		0	20.41	0.43	18.69	<=34.77	Pass		
			13	21.42	0.43	19.70	<=34.77	Pass		
			25	21.12	0.43	19.40	<=34.77	Pass		
	50		0	20.77	0.43	19.05	<=34.77	Pass		
	711		1	0	20.18	0.43	18.46	<=34.77	Pass	
				25	22.41	0.43	20.69	<=34.77	Pass	
49				19.11	0.43	17.39	<=34.77	Pass		
25			0	20.91	0.43	19.19	<=34.77	Pass		
			13	21.47	0.43	19.75	<=34.77	Pass		
			25	20.44	0.43	18.72	<=34.77	Pass		
50			0	20.66	0.43	18.94	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Test Report Number: BTF240105R00405

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-6.151	-0.0087	-2.5 to 2.5	Pass
					3.85	-7.825	-0.0111	-2.5 to 2.5	Pass
					4.43	-7.710	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-9.499	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-6.466	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-7.997	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0099	-2.5 to 2.5	Pass
	50	3.85	-6.237	-0.0088	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-6.108	-0.0086	-2.5 to 2.5	Pass
					3.85	-9.170	-0.0129	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-9.427	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-9.313	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-7.753	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
	50	3.85	-8.640	-0.0122	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-4.520	-0.0063	-2.5 to 2.5	Pass
					3.85	-8.082	-0.0113	-2.5 to 2.5	Pass
					4.43	-9.341	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-10.486	-0.0147	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-7.367	-0.0103	-2.5 to 2.5	Pass
30				3.85	-5.908	-0.0083	-2.5 to 2.5	Pass	
40				3.85	-4.091	-0.0057	-2.5 to 2.5	Pass	
50	3.85	-8.841	-0.0124	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-6.680	-0.0095	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0073	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-8.197	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-8.383	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0111	-2.5 to 2.5	Pass
	50	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-8.798	-0.0124	-2.5 to 2.5	Pass
					3.85	-7.138	-0.0101	-2.5 to 2.5	Pass
					4.43	-10.128	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-9.727	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0107	-2.5 to 2.5	Pass
40				3.85	-3.591	-0.0051	-2.5 to 2.5	Pass	

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	713.5	25	0	50	3.85	-2.975	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-10.400	-0.0146	-2.5 to 2.5	Pass
					3.85	-6.022	-0.0084	-2.5 to 2.5	Pass
					4.43	-8.125	-0.0114	-2.5 to 2.5	Pass
					-30	3.85	-6.108	-0.0086	-2.5 to 2.5
				-20	3.85	-10.414	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-11.315	-0.0159	-2.5 to 2.5	Pass
				10	3.85	-7.811	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-9.799	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-6.065	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-7.553	-0.0106	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-7.110	-0.0100	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-9.313	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-6.537	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-6.123	-0.0086	-2.5 to 2.5	Pass
				710	50	0	20	3.27	-2.661
	3.85	-9.699	-0.0137					-2.5 to 2.5	Pass
	4.43	-3.633	-0.0051					-2.5 to 2.5	Pass
	-30	3.85	-3.061				-0.0043	-2.5 to 2.5	Pass
	-20	3.85	-7.138				-0.0101	-2.5 to 2.5	Pass
	-10	3.85	-3.347				-0.0047	-2.5 to 2.5	Pass
	0	3.85	-7.596				-0.0107	-2.5 to 2.5	Pass
	10	3.85	-2.718				-0.0038	-2.5 to 2.5	Pass
	30	3.85	-8.454				-0.0119	-2.5 to 2.5	Pass
	40	3.85	10.099				0.0142	-2.5 to 2.5	Pass
	50	3.85	-7.310				-0.0103	-2.5 to 2.5	Pass
	711	50	0				20	3.27	-4.721
				3.85	-5.751	-0.0081		-2.5 to 2.5	Pass
				4.43	-4.621	-0.0065		-2.5 to 2.5	Pass
				-30	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-7.424	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-6.123	-0.0086	-2.5 to 2.5	Pass
30				3.85	-6.022	-0.0085	-2.5 to 2.5	Pass	
40				3.85	-9.770	-0.0137	-2.5 to 2.5	Pass	
50				3.85	-9.212	-0.0130	-2.5 to 2.5	Pass	
16QAM				709	50	0	20	3.27	-6.223
	3.85	-7.038	-0.0099					-2.5 to 2.5	Pass

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					4.43	-9.913	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-5.765	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
	50	3.85	-9.398	-0.0133	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-5.922	-0.0083	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0038	-2.5 to 2.5	Pass
					4.43	-8.197	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
	50	3.85	-6.623	-0.0093	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-7.668	-0.0108	-2.5 to 2.5	Pass
					3.85	-9.699	-0.0136	-2.5 to 2.5	Pass
					4.43	-9.327	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-8.955	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-5.579	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
30				3.85	-8.426	-0.0119	-2.5 to 2.5	Pass	
40				3.85	-6.037	-0.0085	-2.5 to 2.5	Pass	
50	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass				

3. Modulation Characteristics

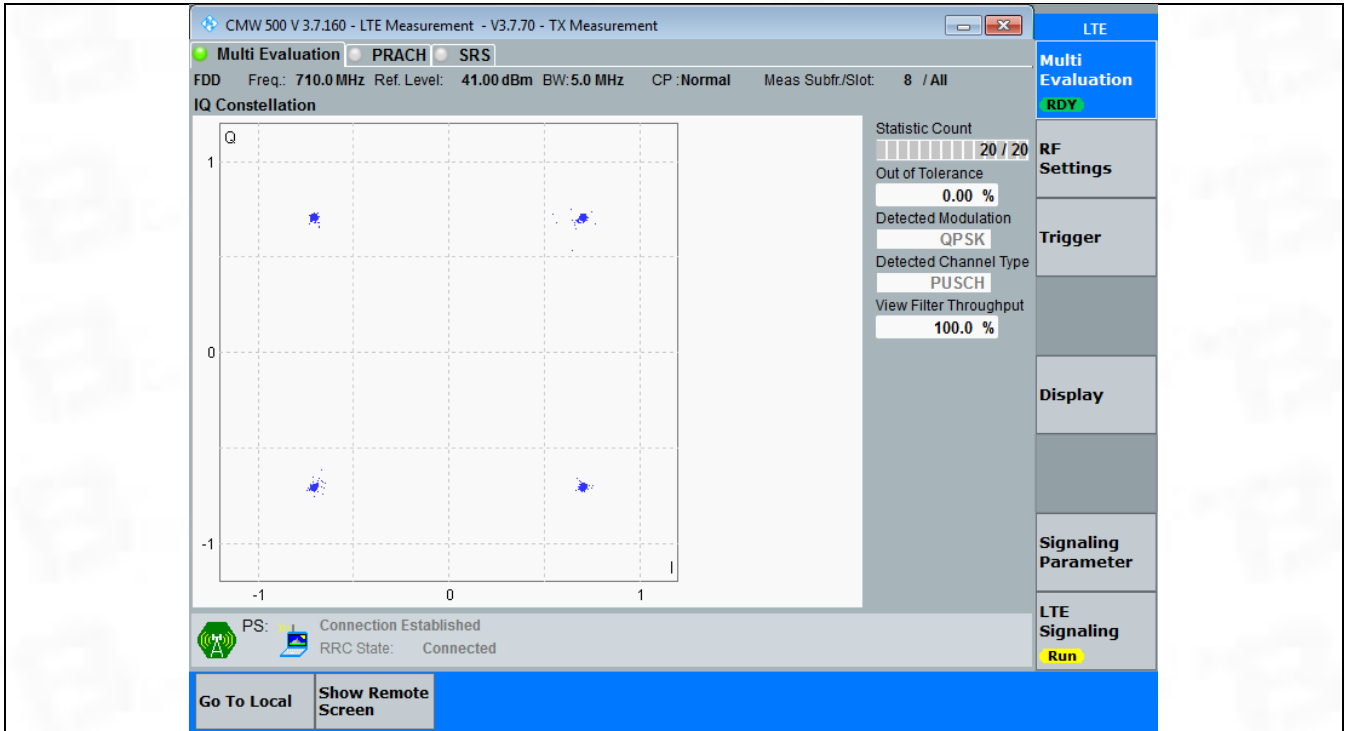
3.1 B17_5MHz

3.1.1 Test Result

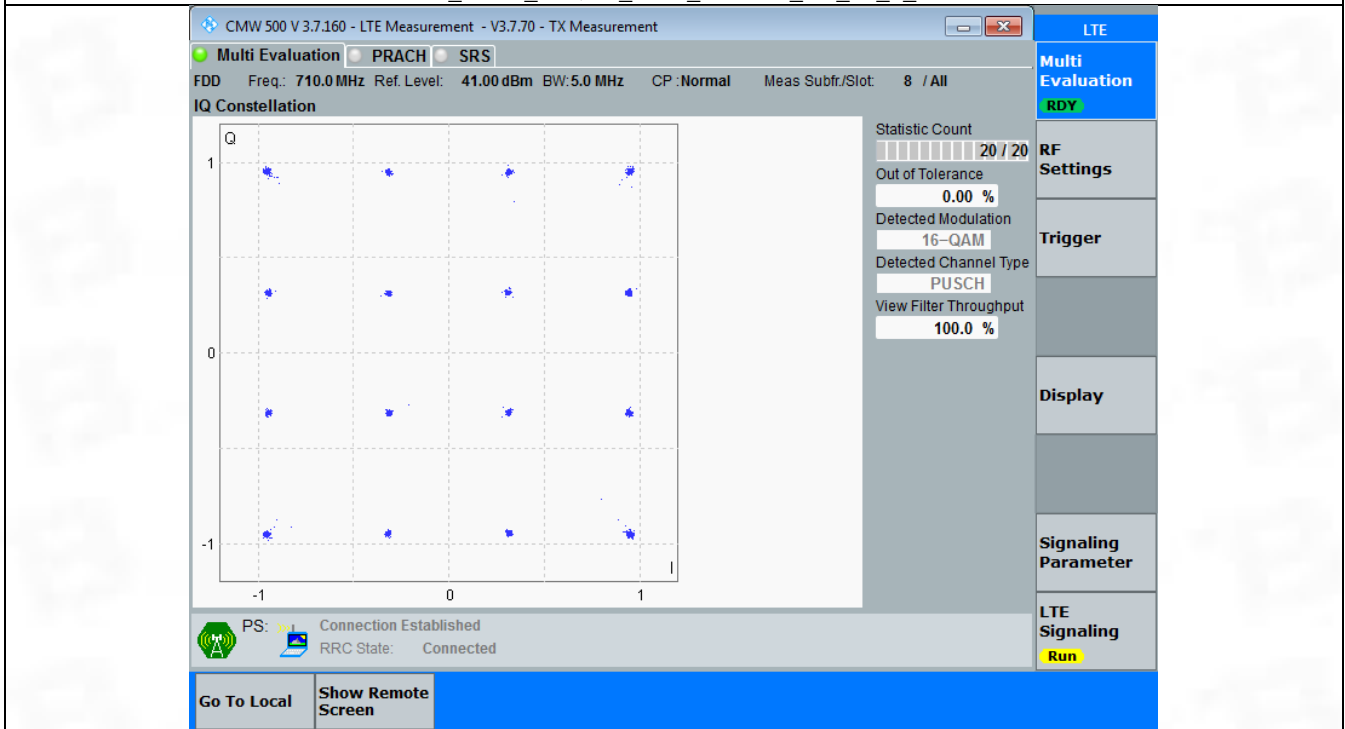
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

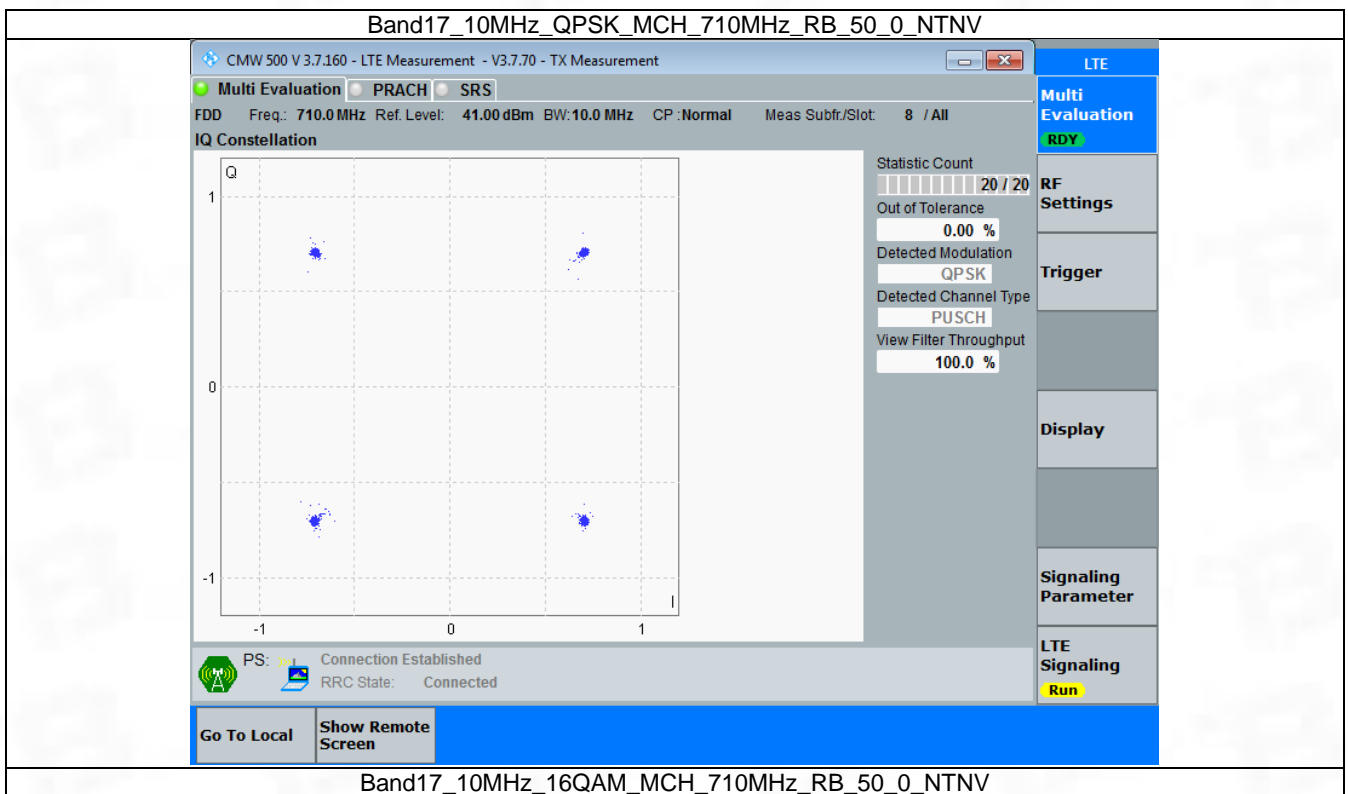


3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph



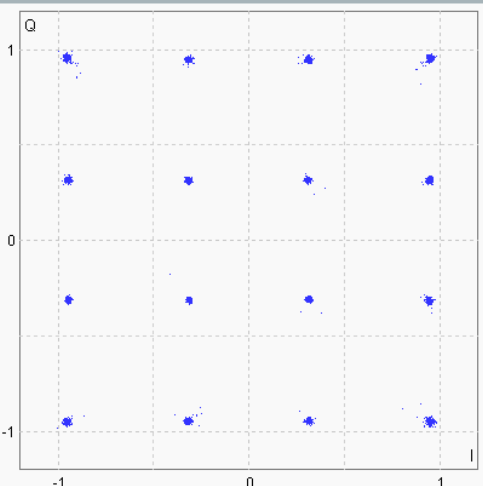
Test Report Number: BTF240105R00405

CMW 500 V 3.7.160 - LTE Measurement - V3.7.70 - TX Measurement


Multi Evaluation PRACH SRS

FDD Freq.: 710.0 MHz Ref. Level: 41.00 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 8 / All

IQ Constellation



Statistic Count: 20 / 20
Out of Tolerance: 0.00 %
Detected Modulation: 16-QAM
Detected Channel Type: PUSCH
View Filter Throughput: 100.0 %

PS:  Connection Established
RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling **Run**

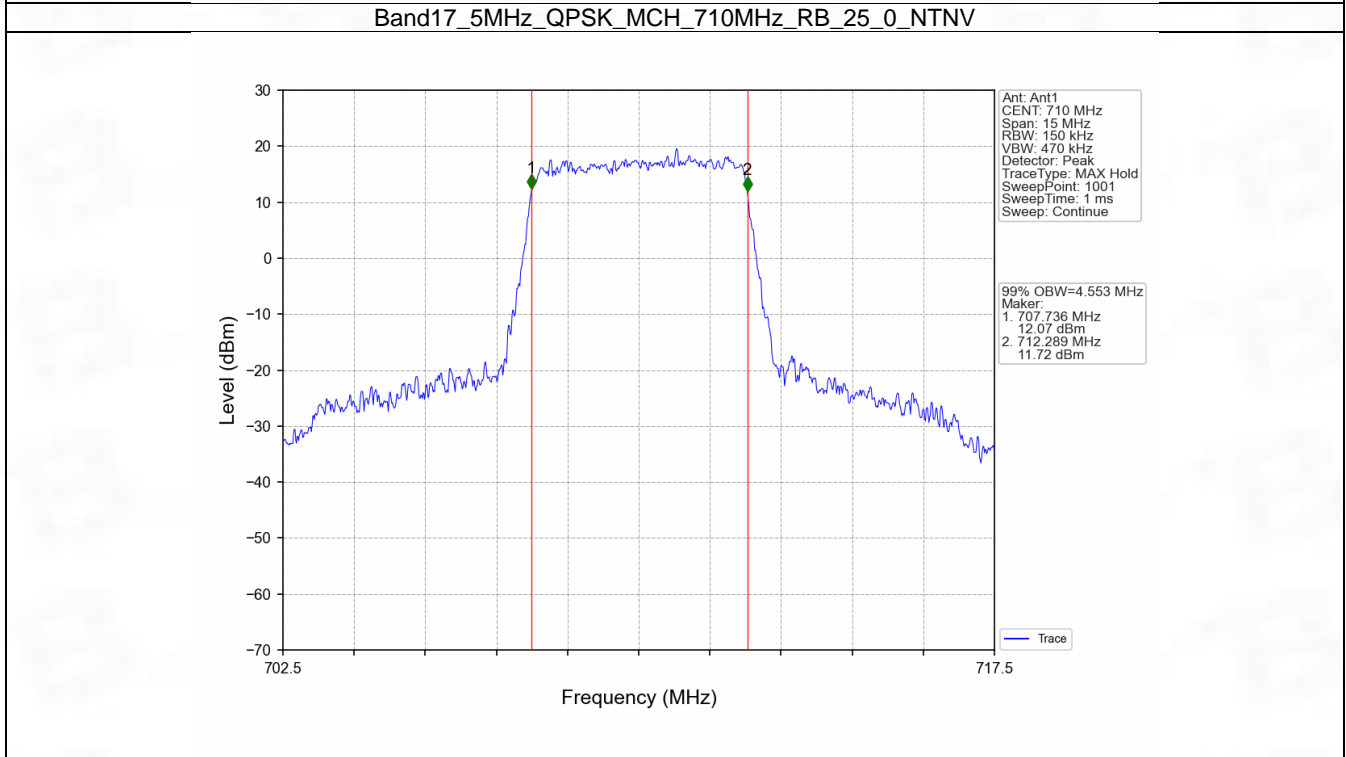
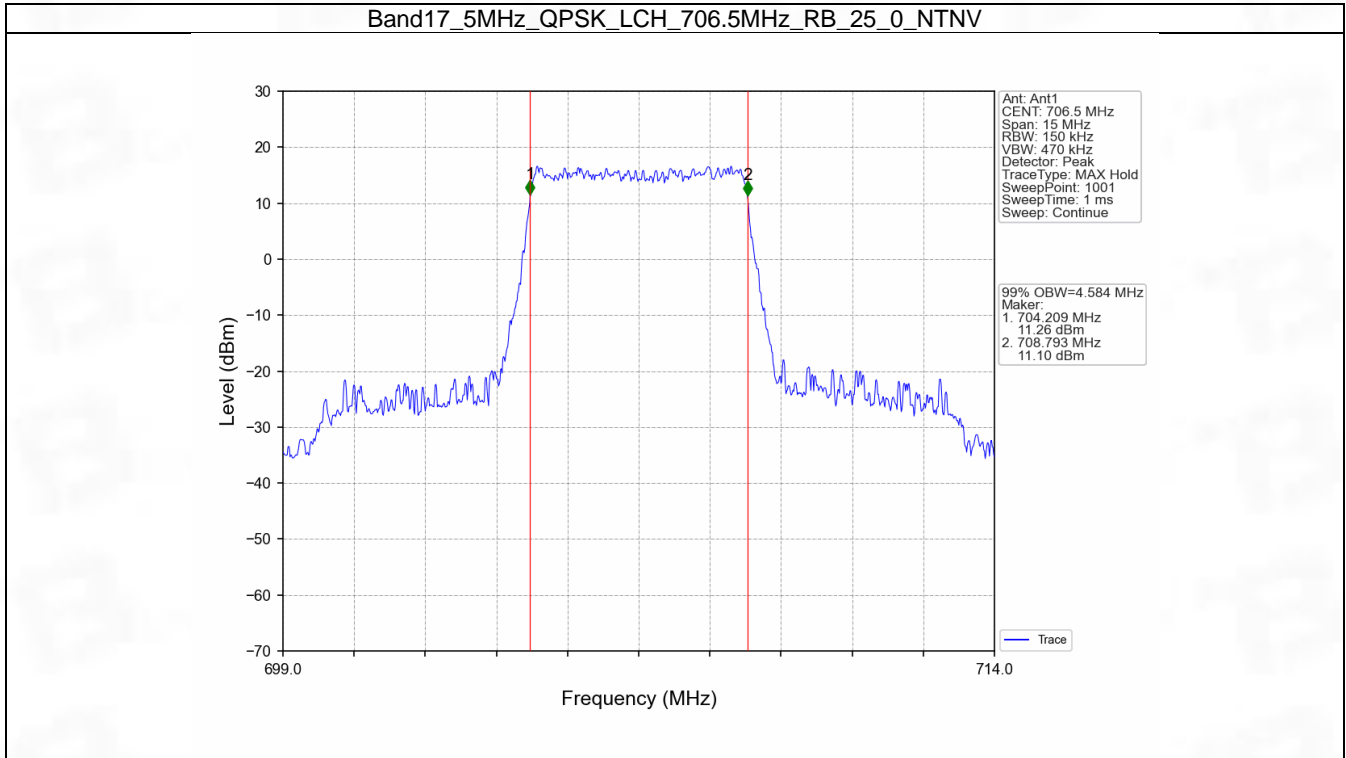
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

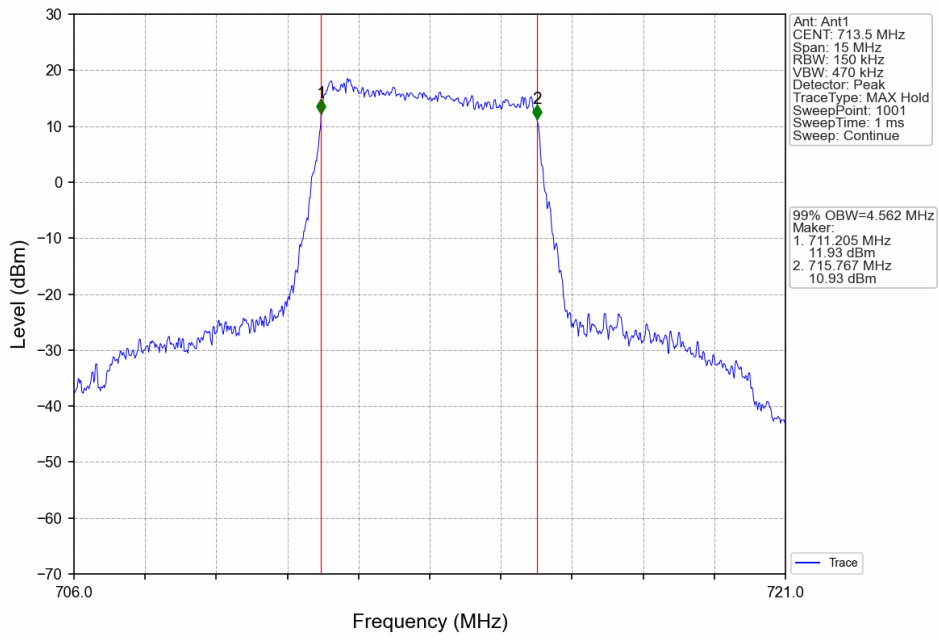
4.1.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.584	/	Pass
		710	25	0	4.553	/	Pass
		713.5	25	0	4.562	/	Pass
	16QAM	706.5	25	0	4.586	/	Pass
		710	25	0	4.542	/	Pass
		713.5	25	0	4.586	/	Pass
10	QPSK	709	50	0	9.057	/	Pass
		710	50	0	9.002	/	Pass
		711	50	0	8.981	/	Pass
	16QAM	709	50	0	9.047	/	Pass
		710	50	0	8.993	/	Pass
		711	50	0	8.962	/	Pass

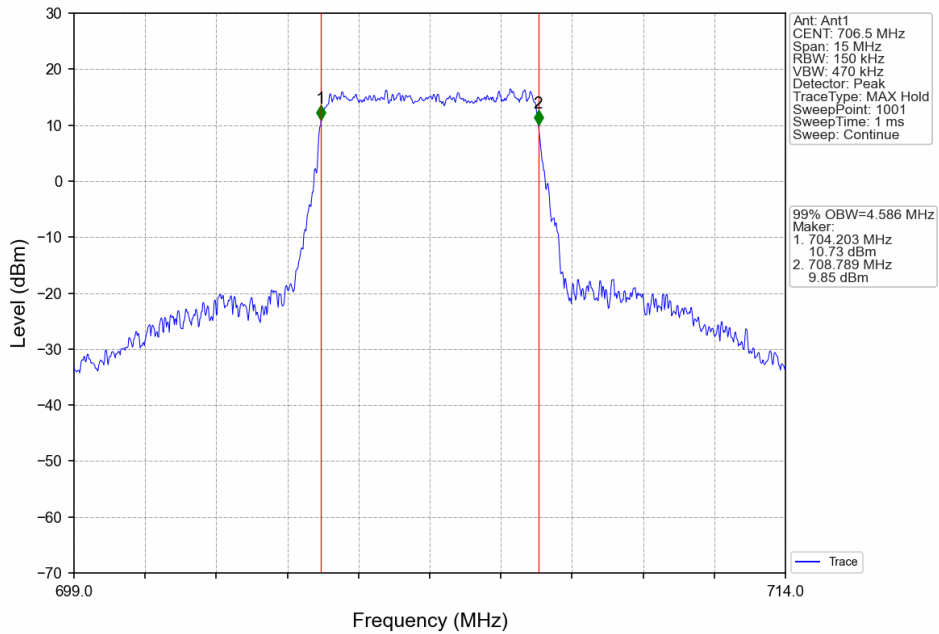
4.1.2 Test Graph



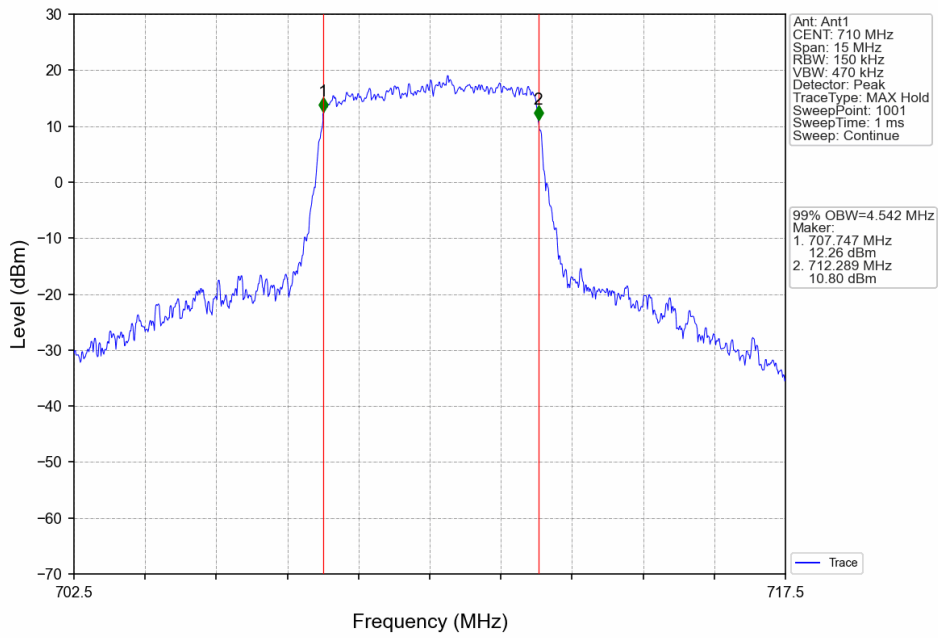
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



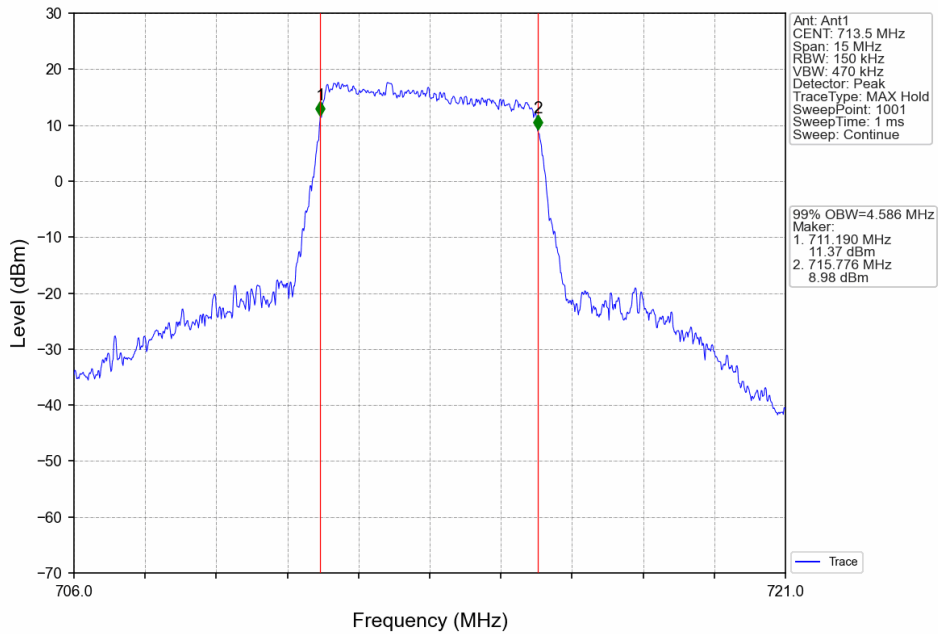
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



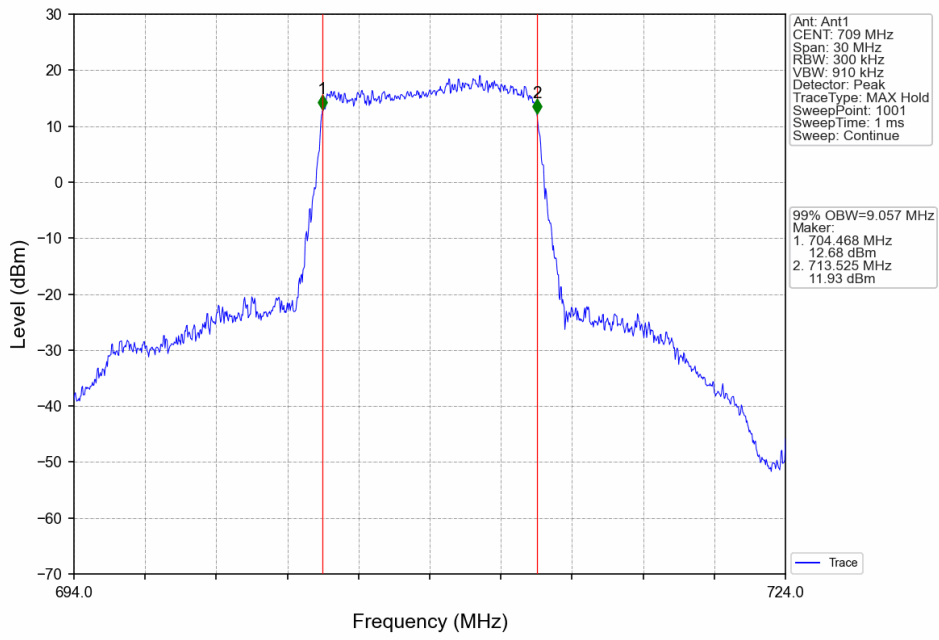
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



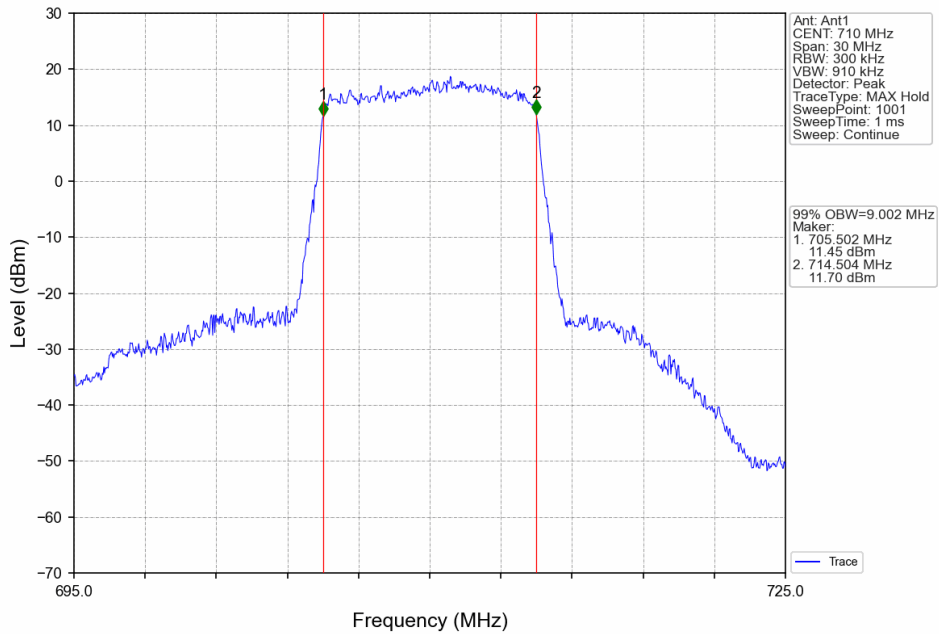
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



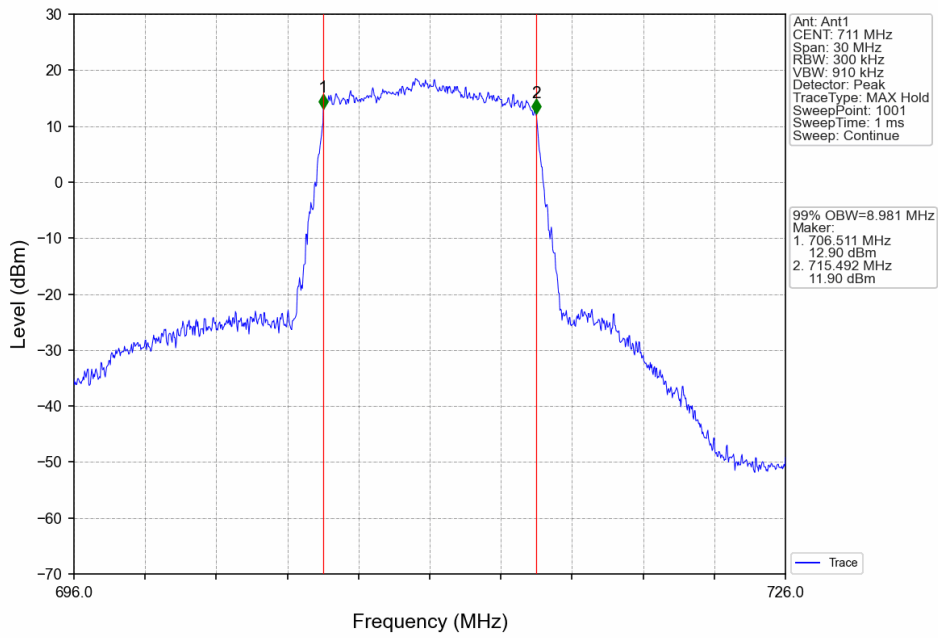
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



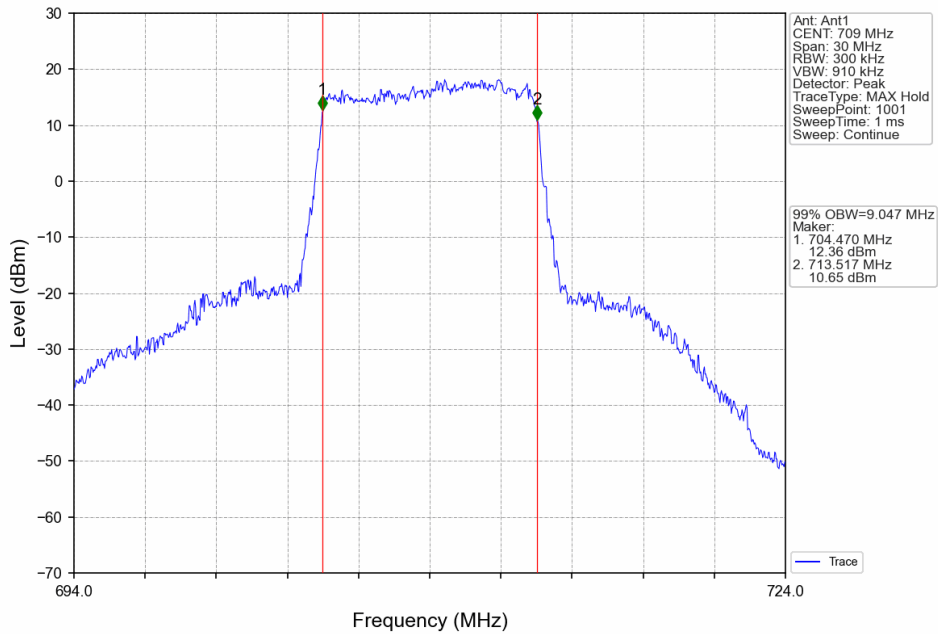
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



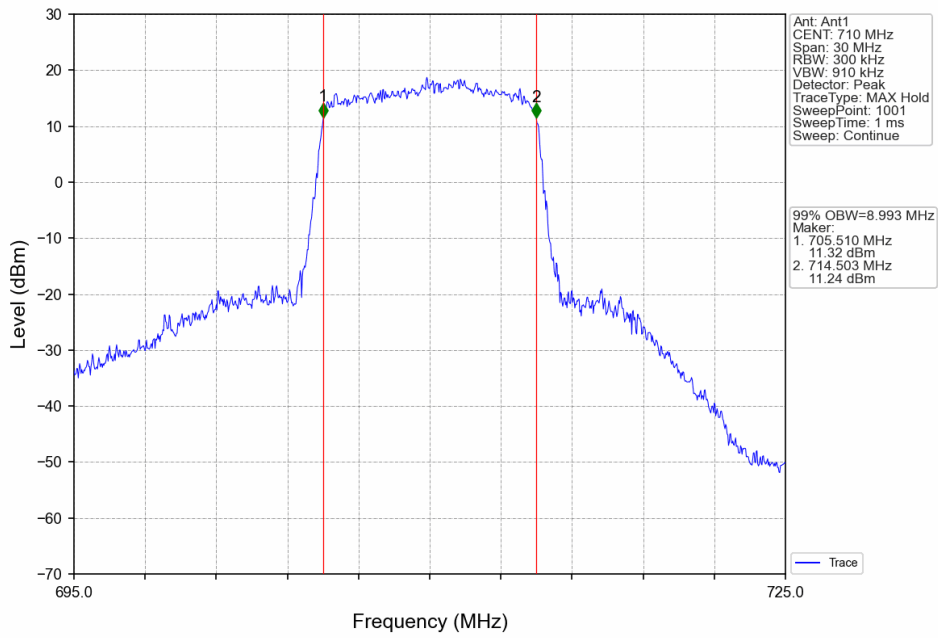
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



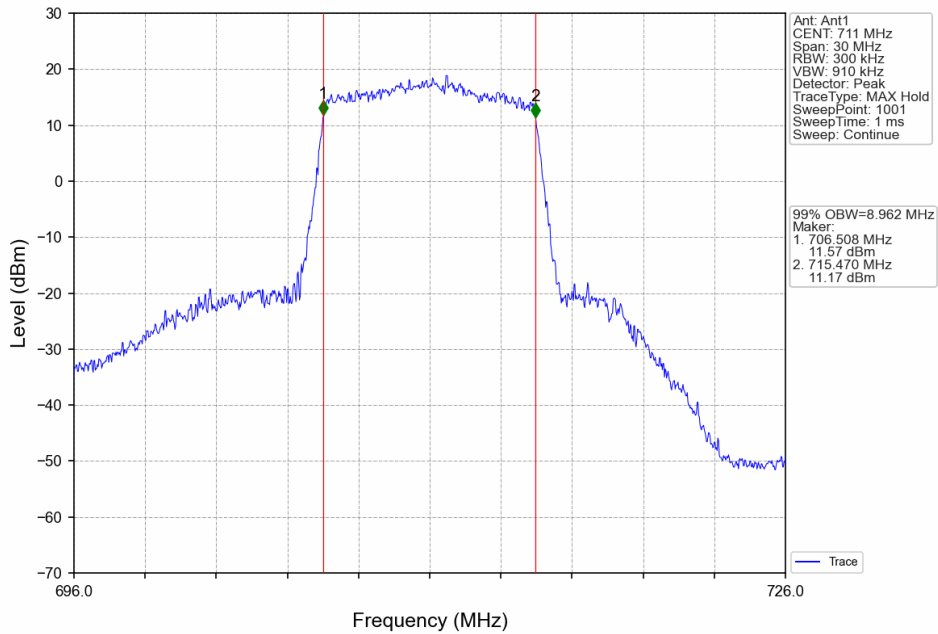
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

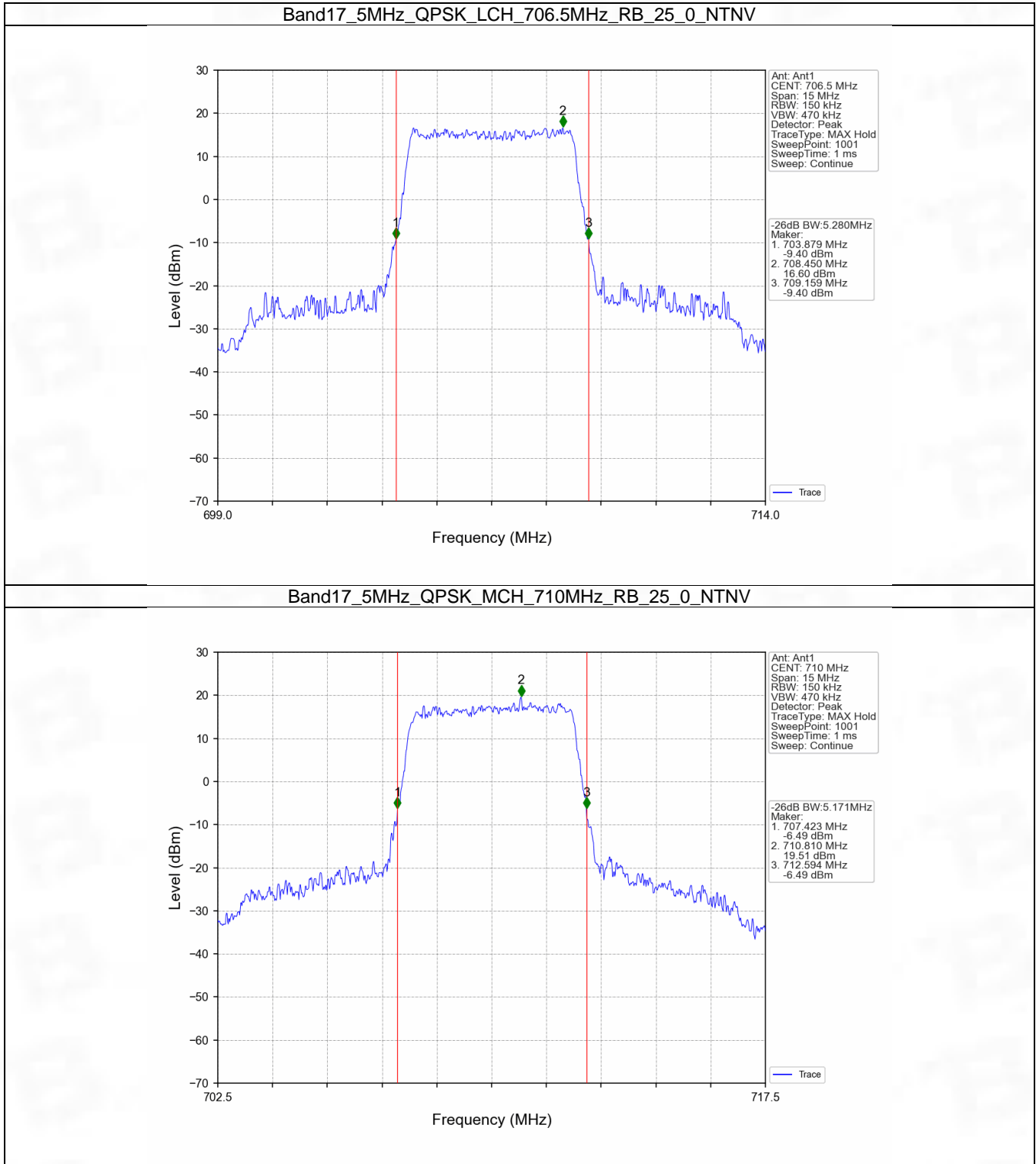


4.2 Band17_XDB

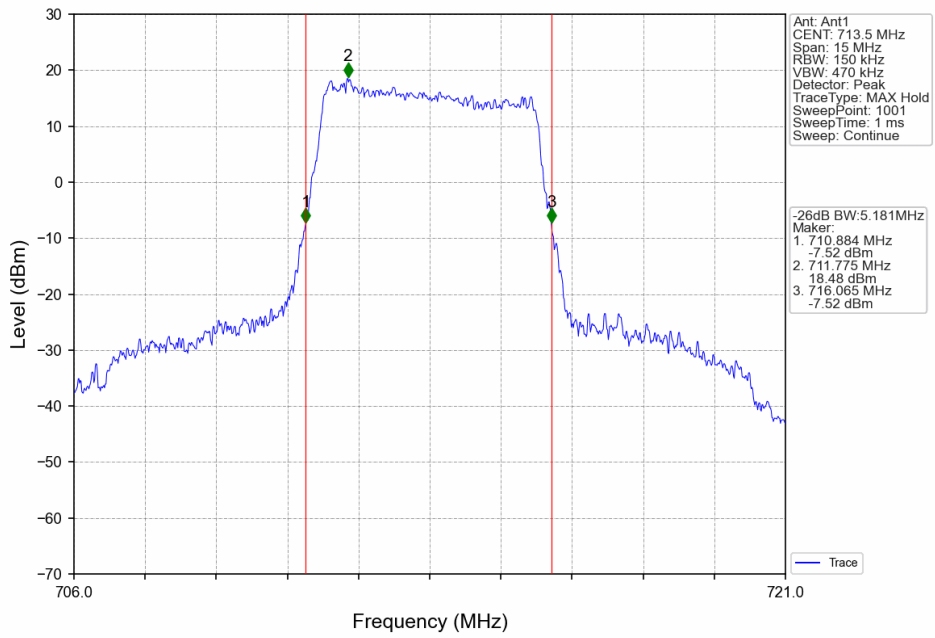
4.2.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.280	/	Pass
		710	25	0	5.171	/	Pass
		713.5	25	0	5.181	/	Pass
	16QAM	706.5	25	0	5.367	/	Pass
		710	25	0	5.133	/	Pass
		713.5	25	0	5.237	/	Pass
10	QPSK	709	50	0	10.143	/	Pass
		710	50	0	10.049	/	Pass
		711	50	0	10.137	/	Pass
	16QAM	709	50	0	10.181	/	Pass
		710	50	0	10.004	/	Pass
		711	50	0	10.042	/	Pass

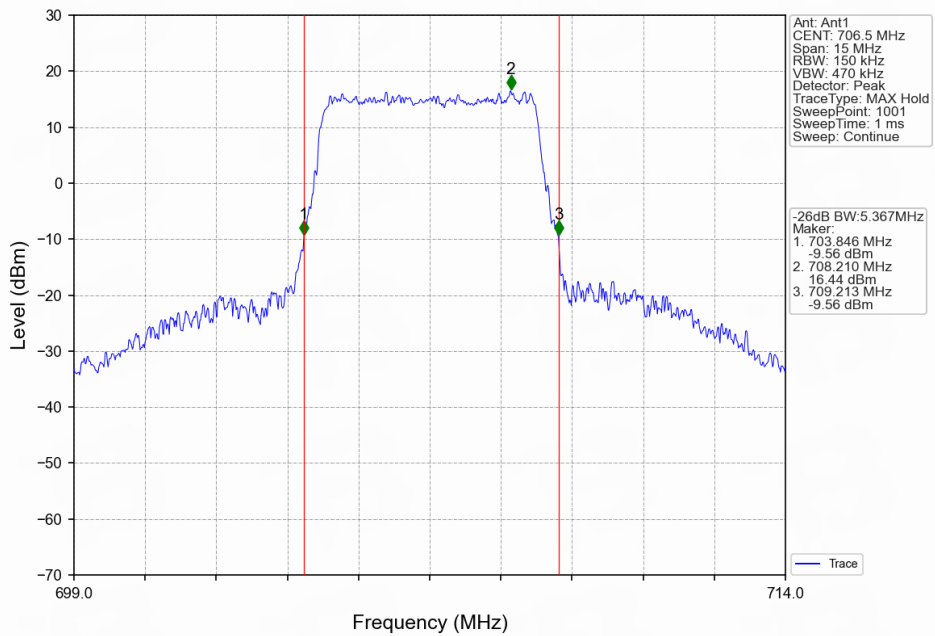
4.2.2 Test Graph



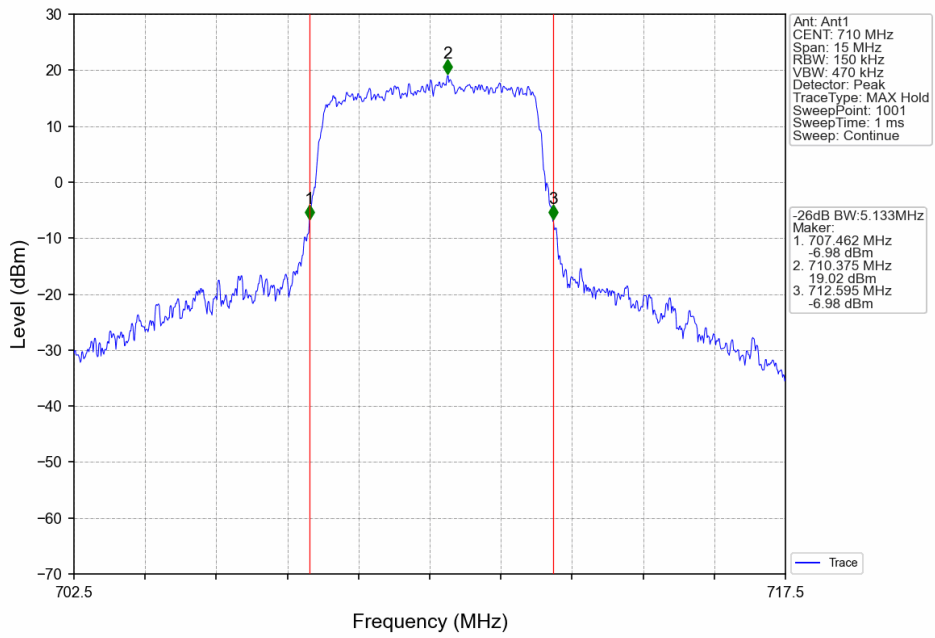
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



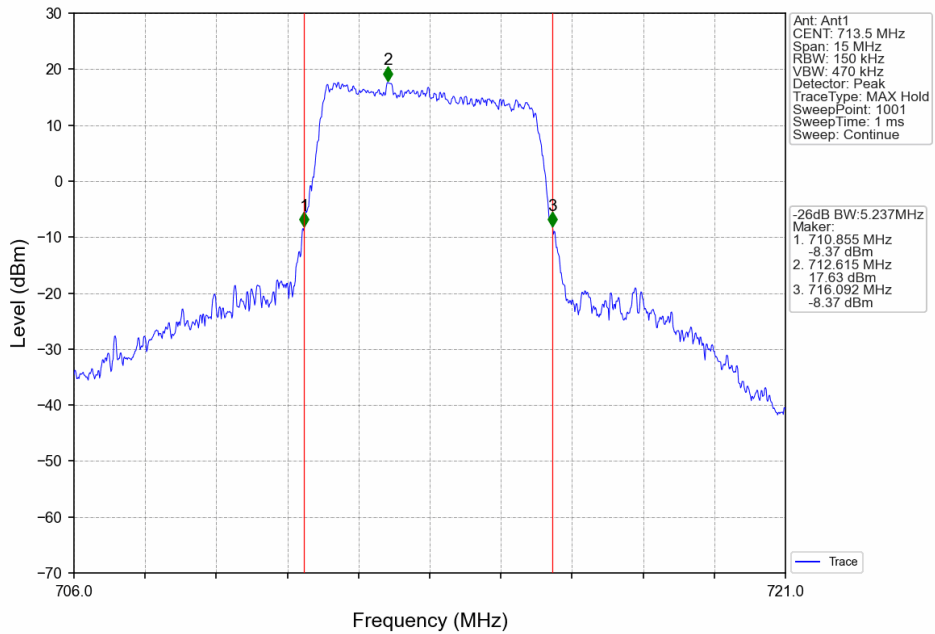
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



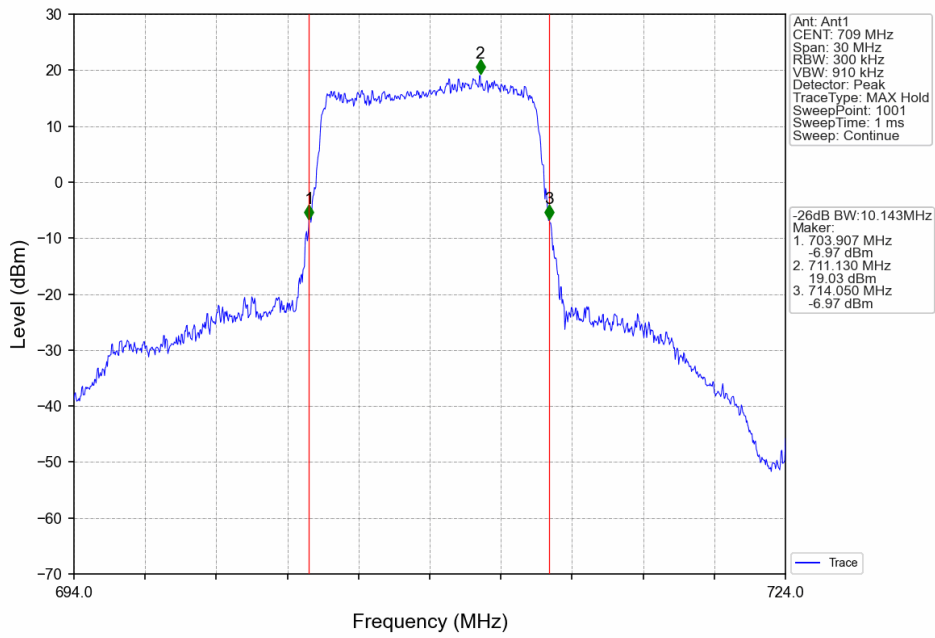
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



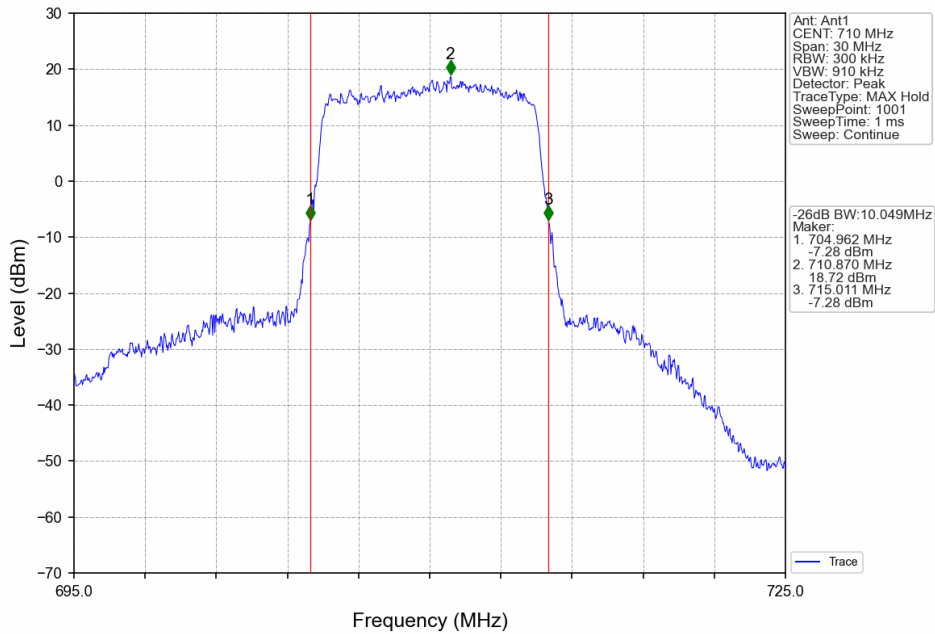
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



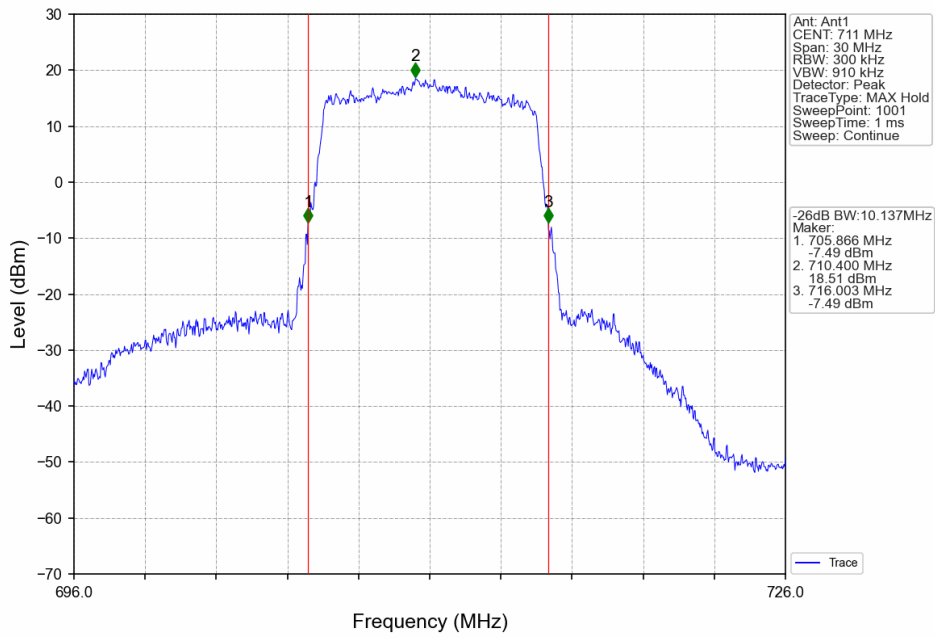
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



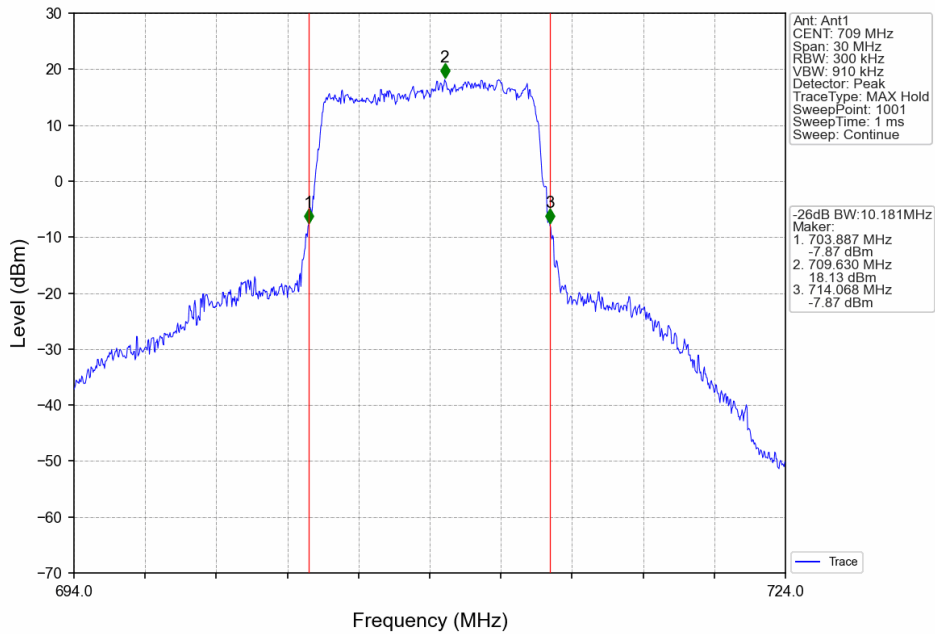
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



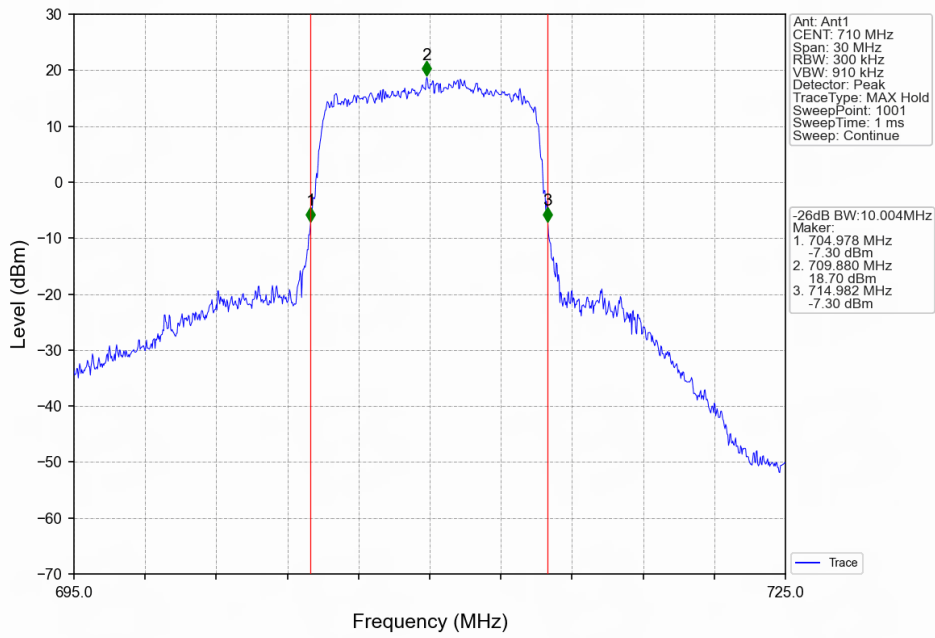
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



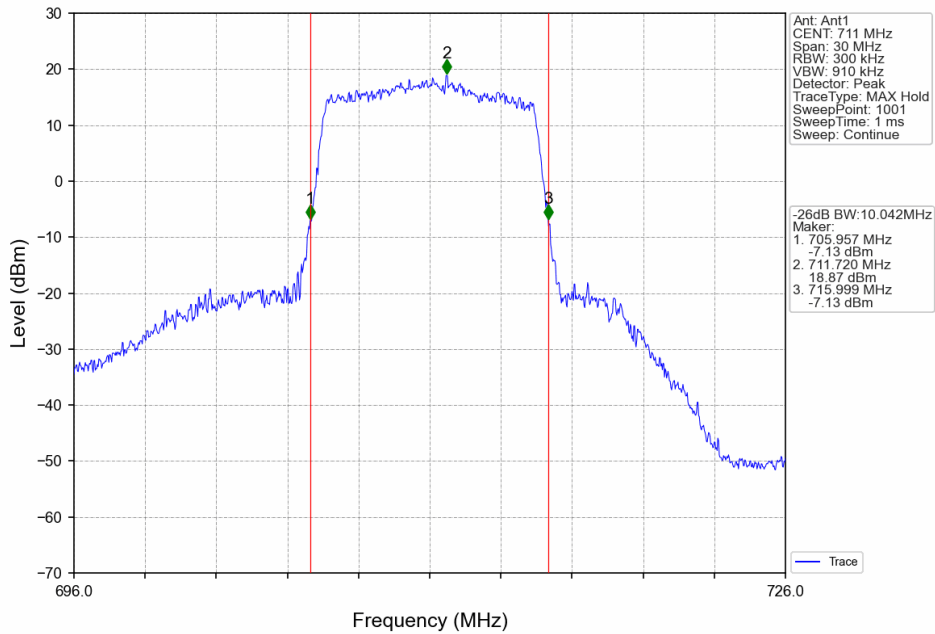
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



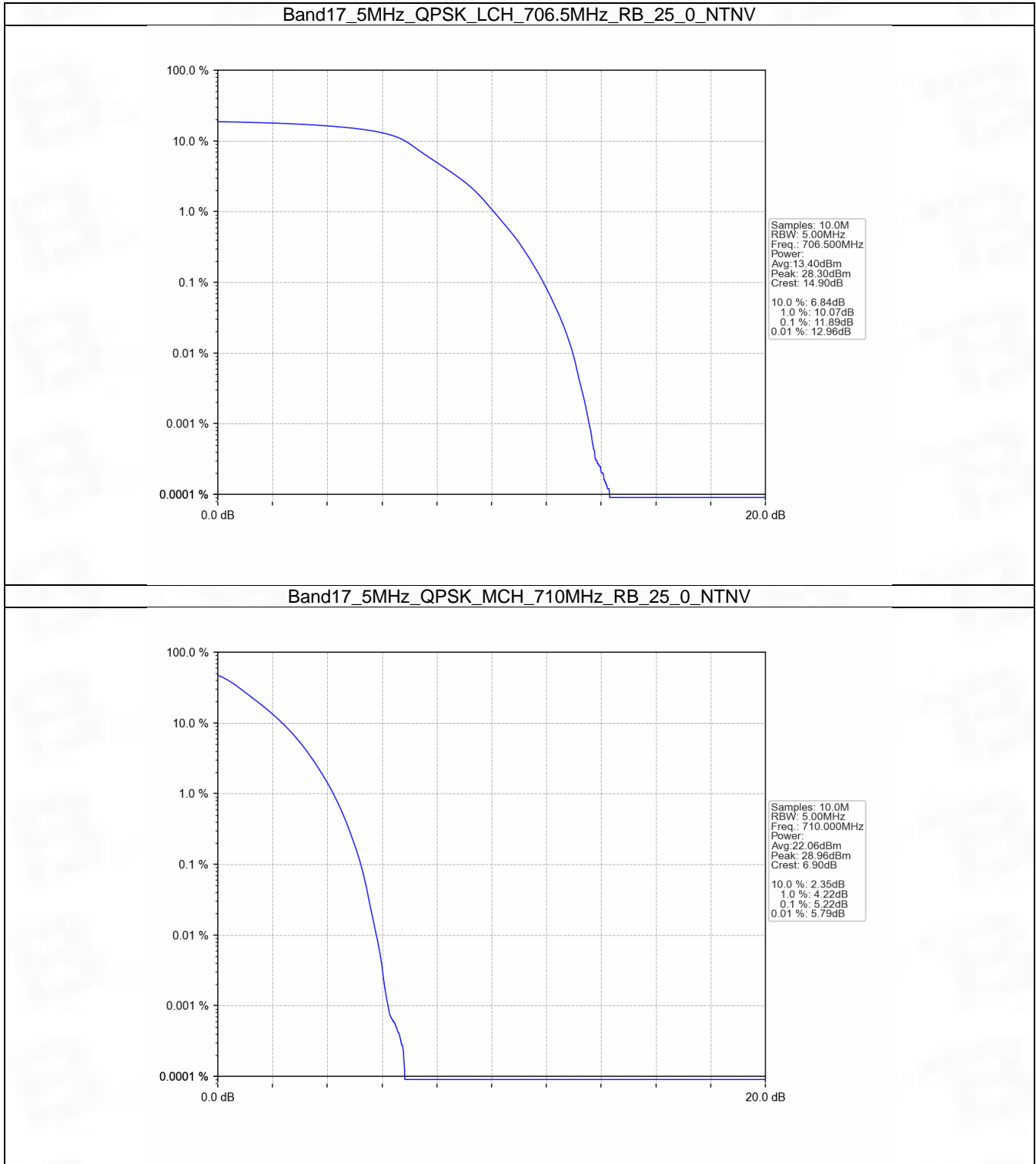
5. Peak-Average Ratio

5.1 B17_5MHz

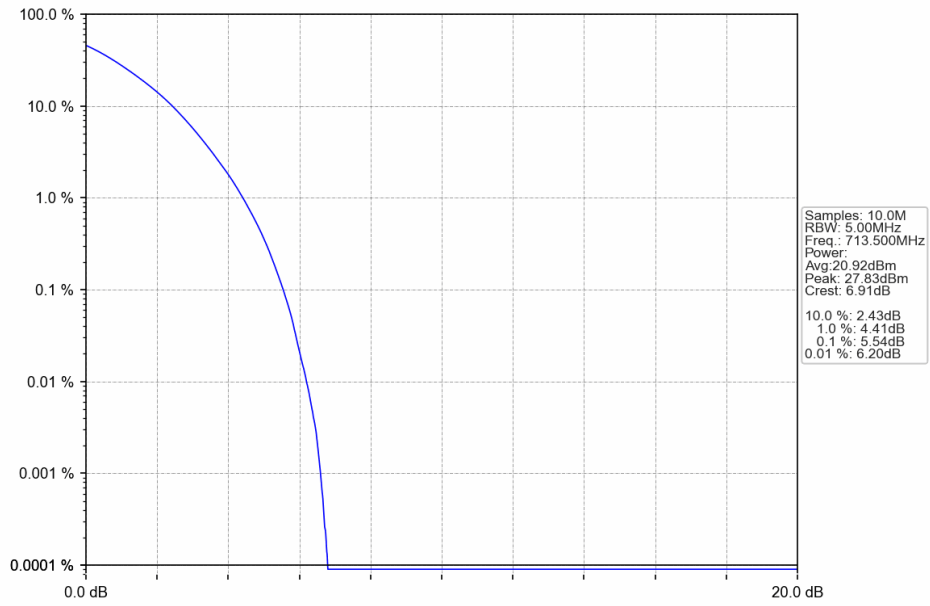
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	11.89	<=13	Pass
	710	25	0	5.22	<=13	Pass
	713.5	25	0	5.54	<=13	Pass
16QAM	706.5	25	0	6.18	<=13	Pass
	710	25	0	5.77	<=13	Pass
	713.5	25	0	6.10	<=13	Pass

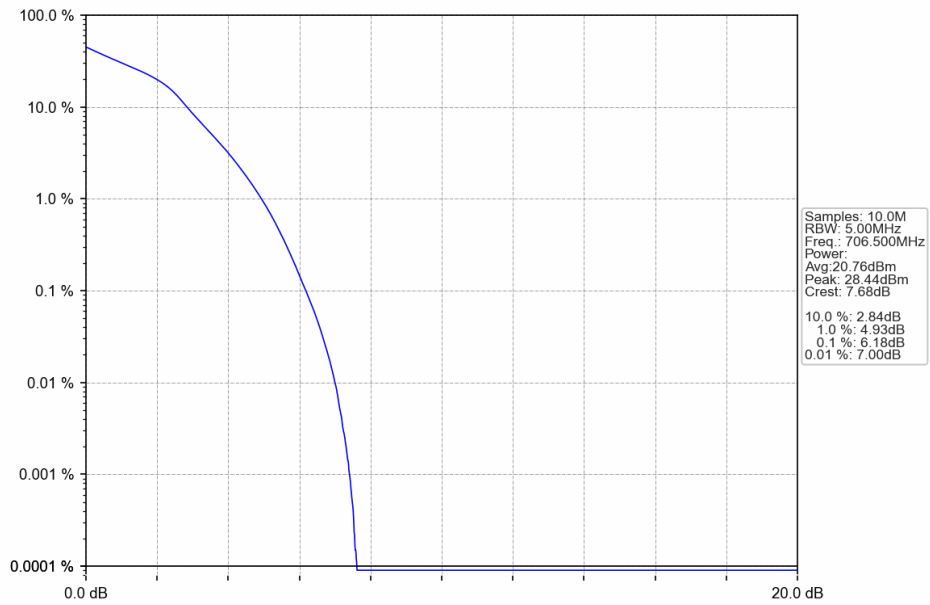
5.1.2 Test Graph



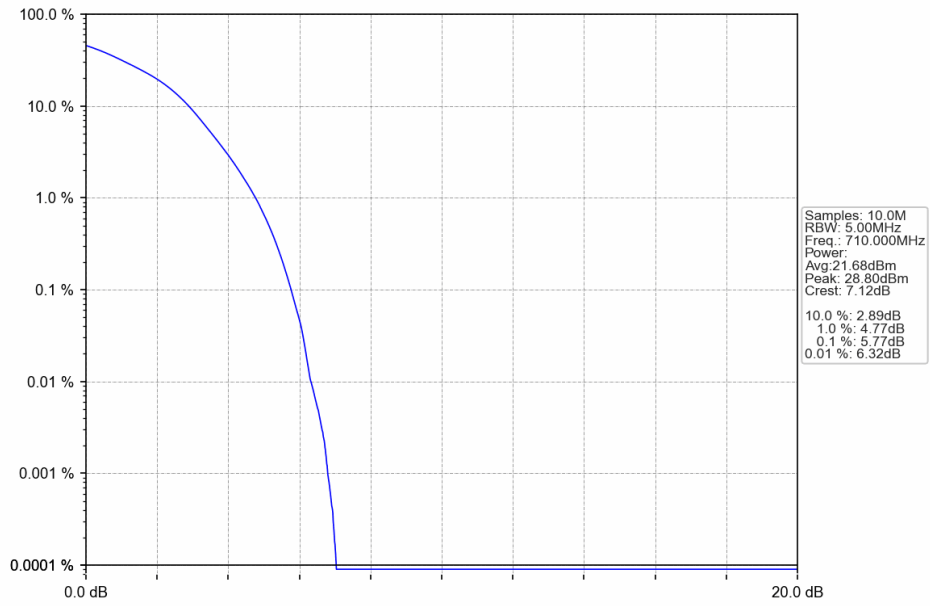
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



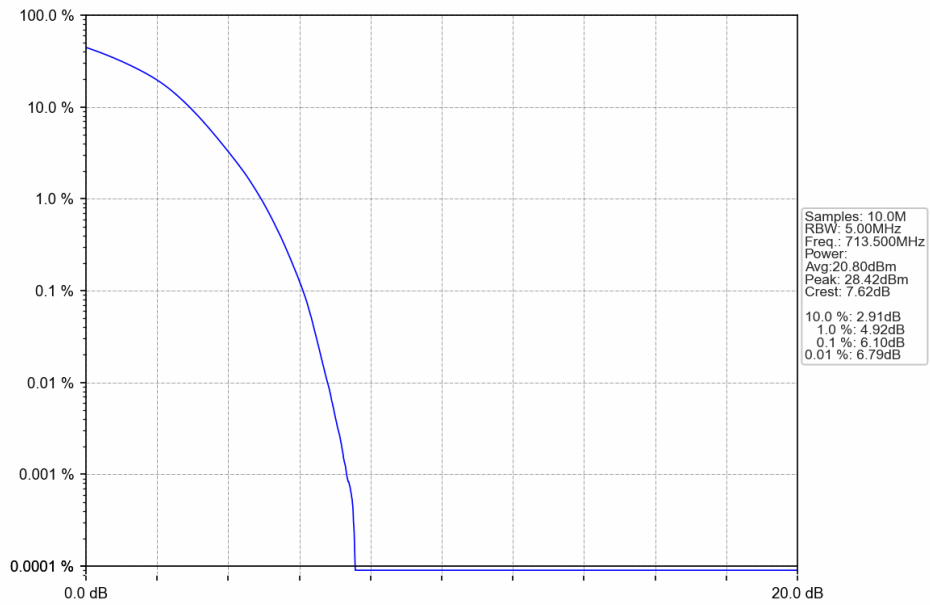
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

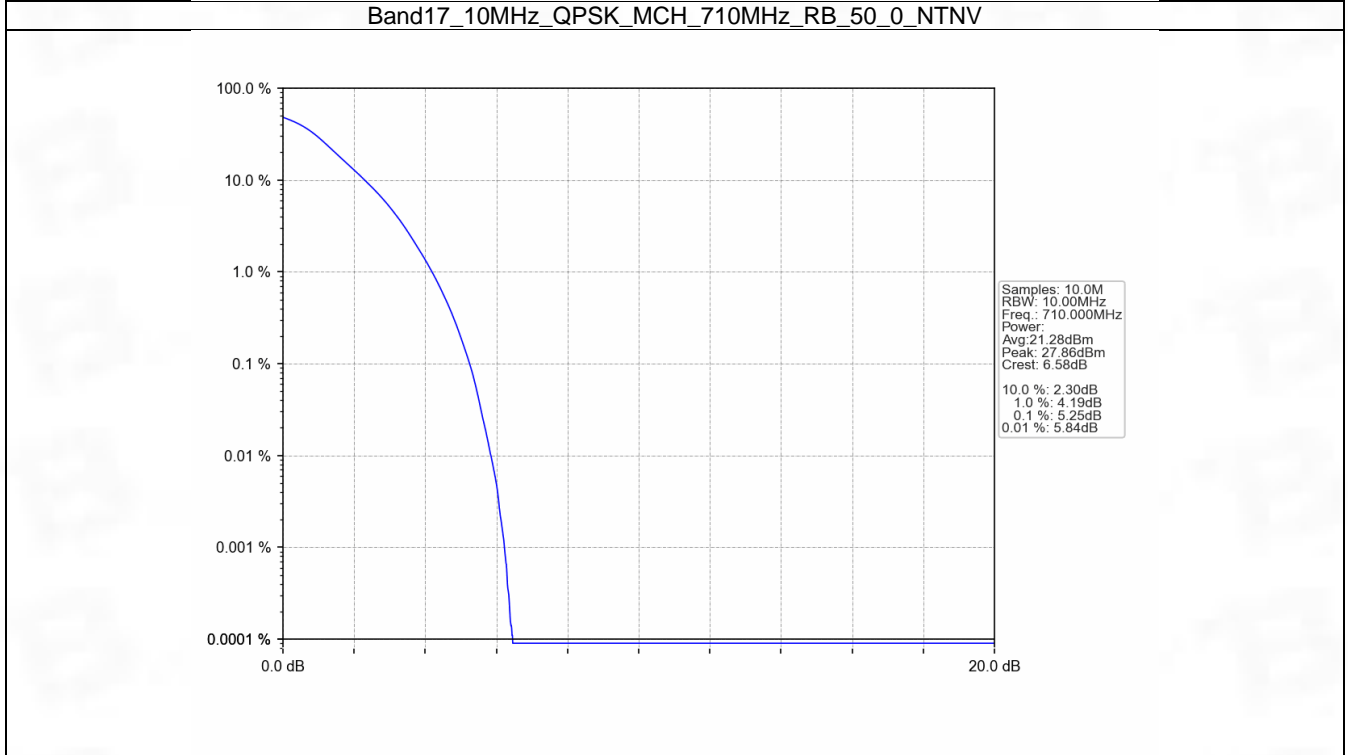
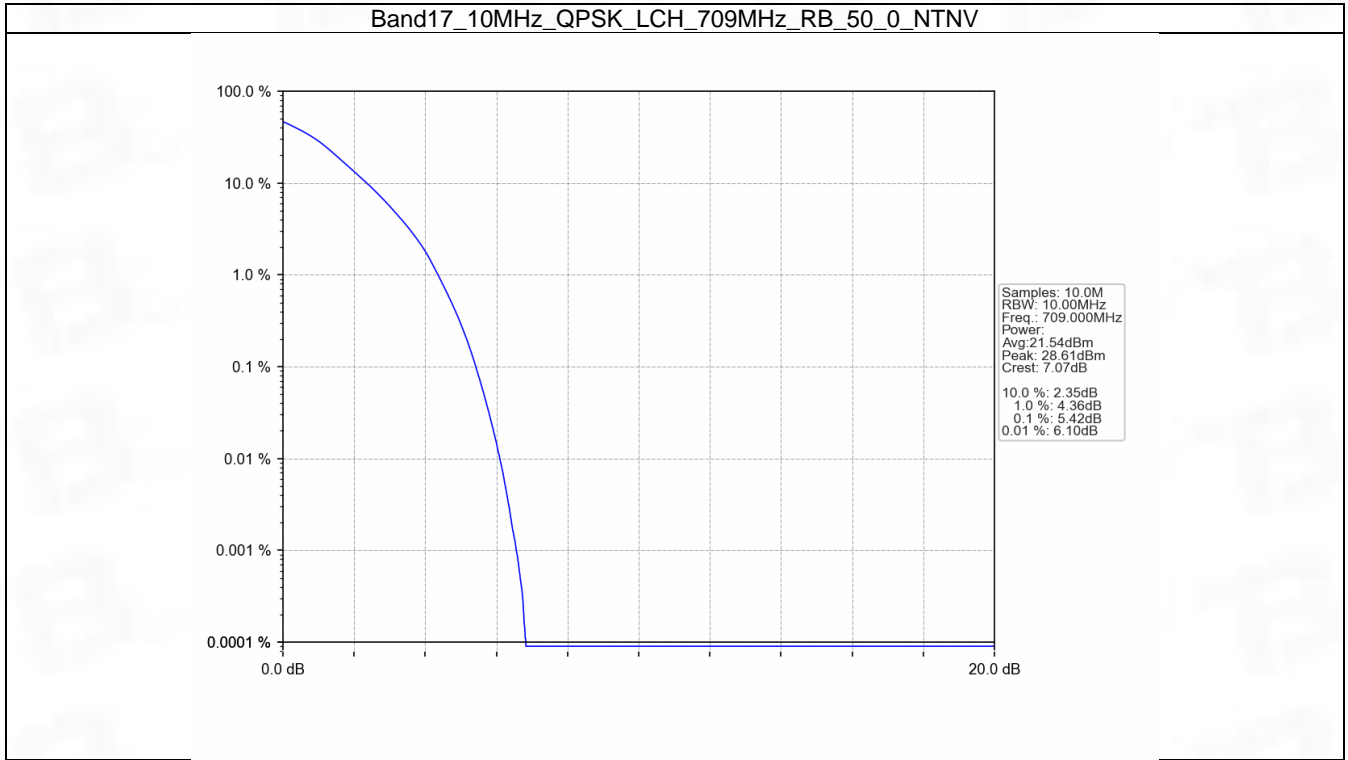


5.2 B17_10MHz

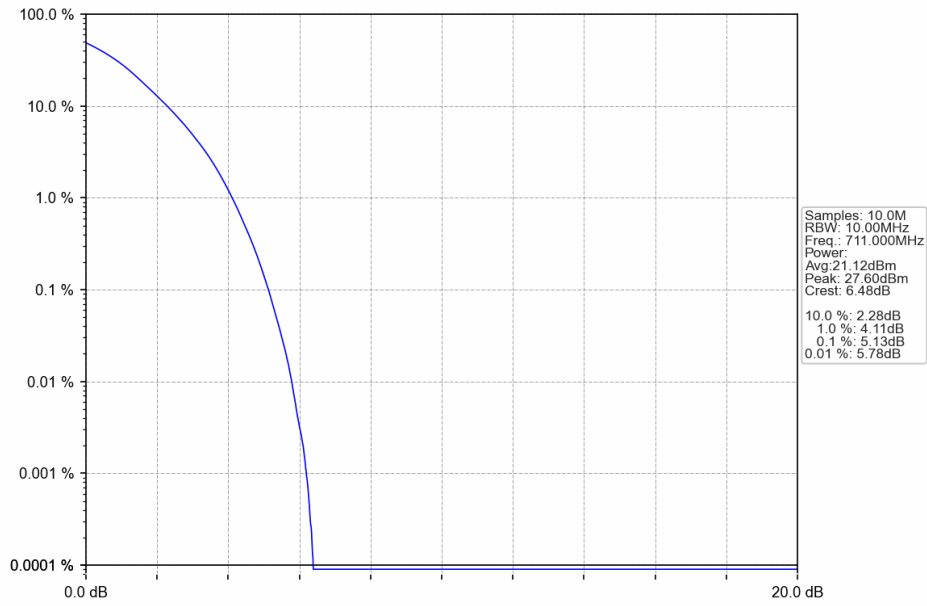
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.42	<=13	Pass
	710	50	0	5.25	<=13	Pass
	711	50	0	5.13	<=13	Pass
16QAM	709	50	0	6.03	<=13	Pass
	710	50	0	5.94	<=13	Pass
	711	50	0	5.82	<=13	Pass

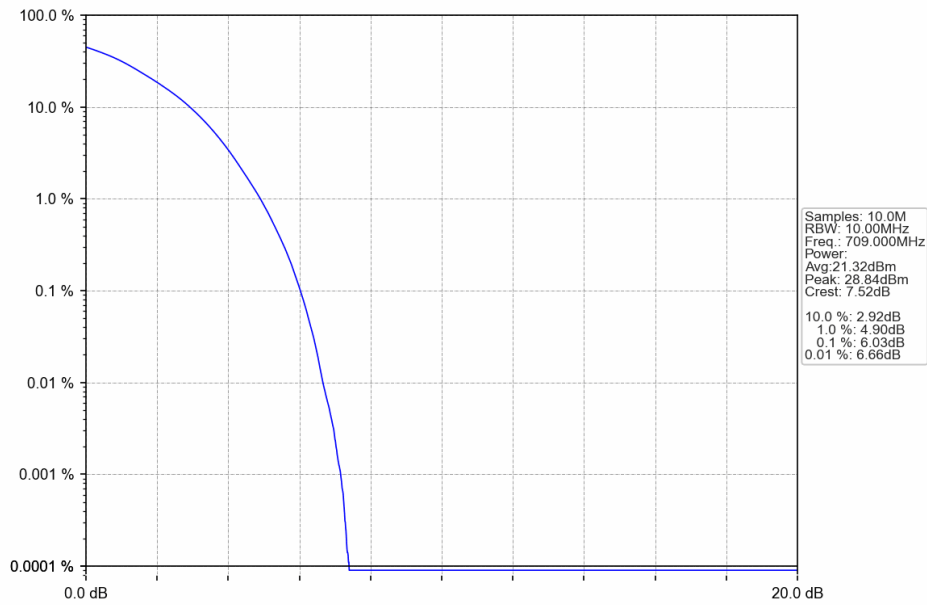
5.2.2 Test Graph



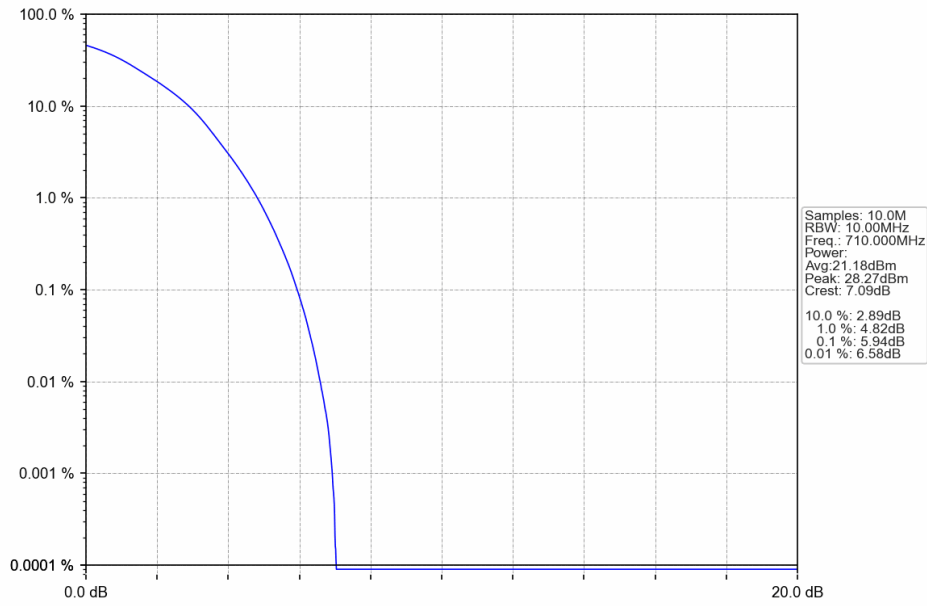
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



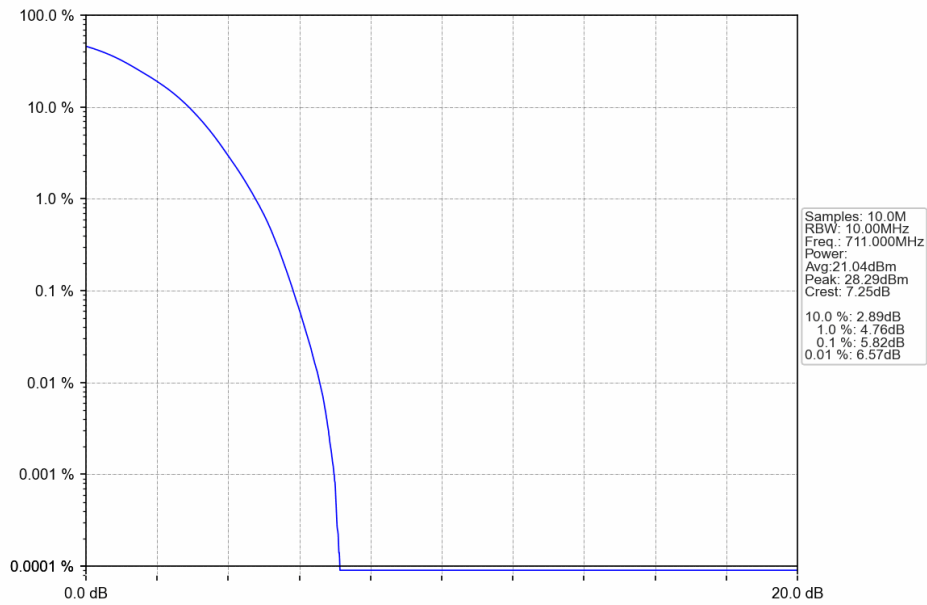
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



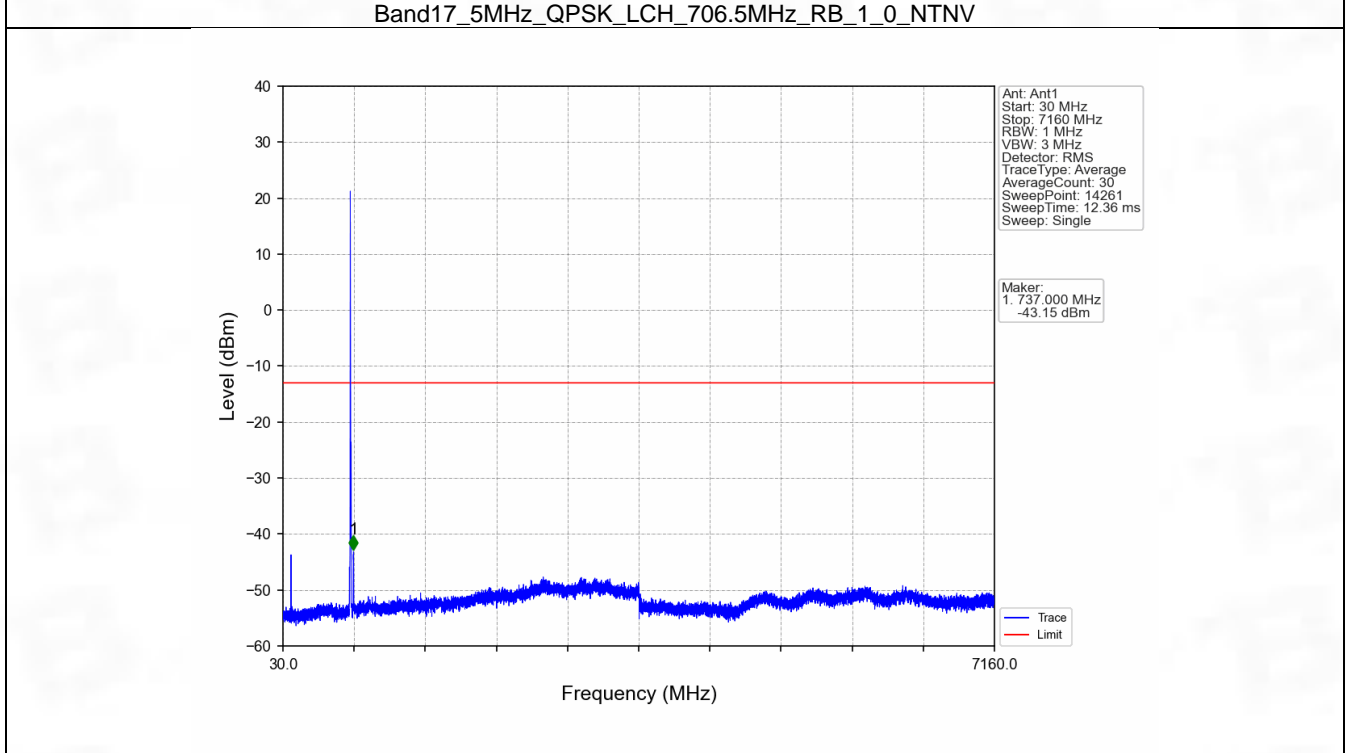
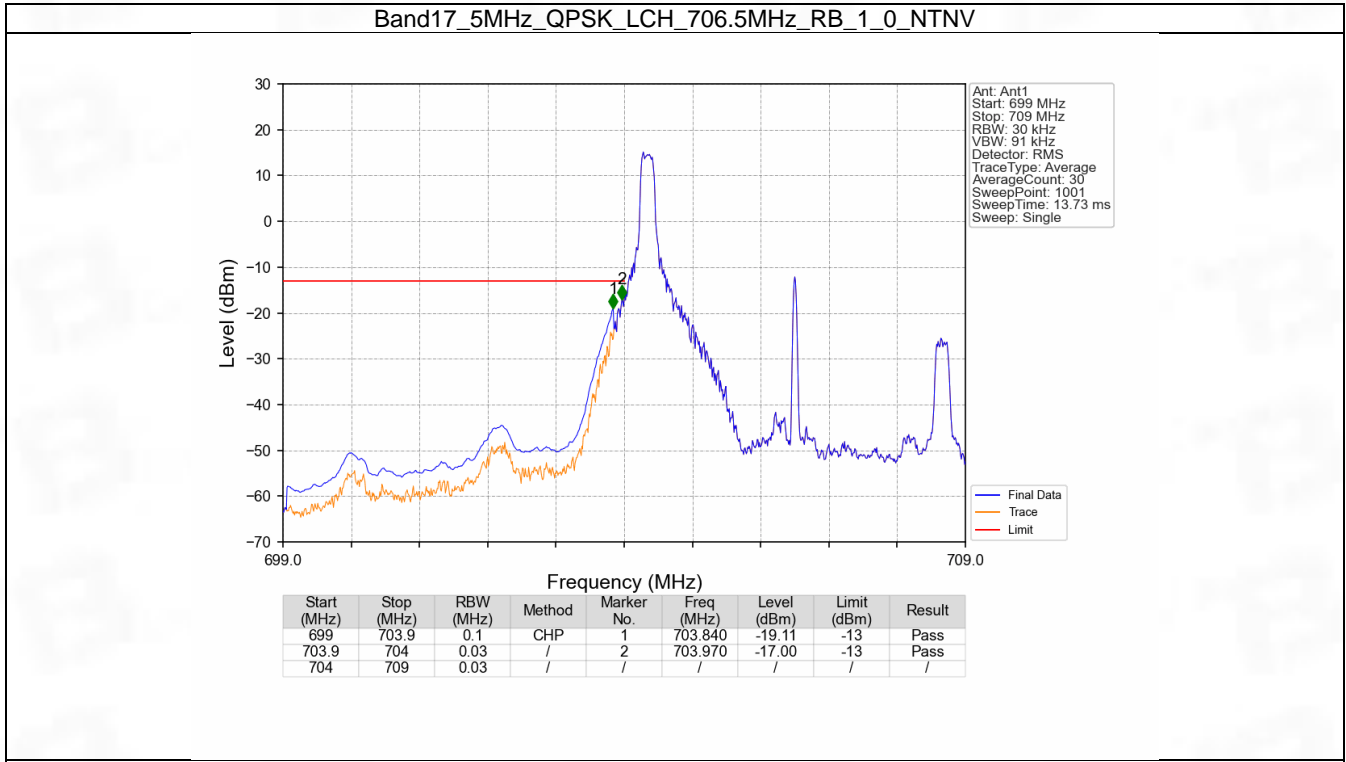
6. Spurious Emission

6.1 B17_5MHz

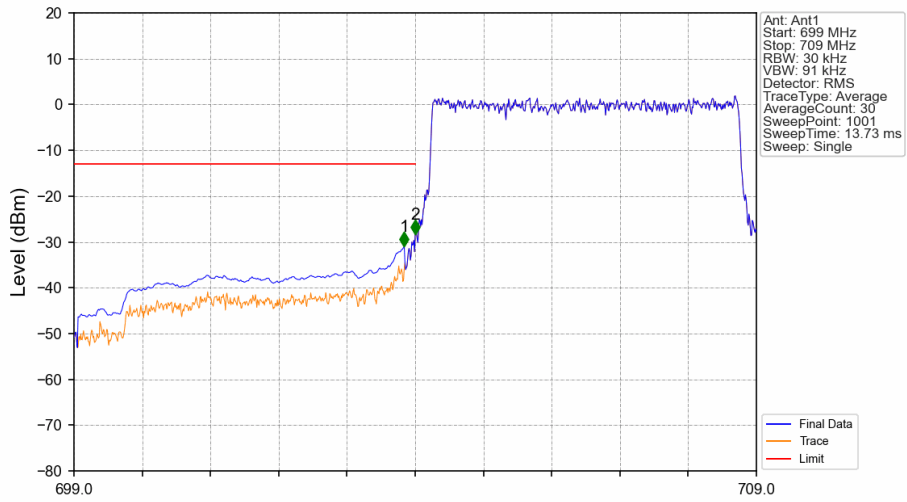
6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	

6.1.2 Test Graph

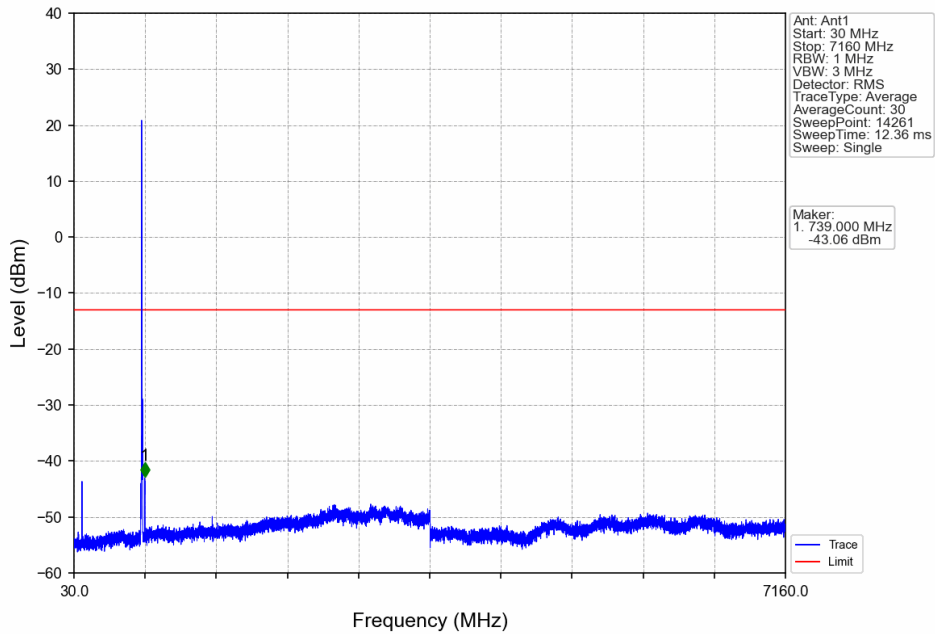


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



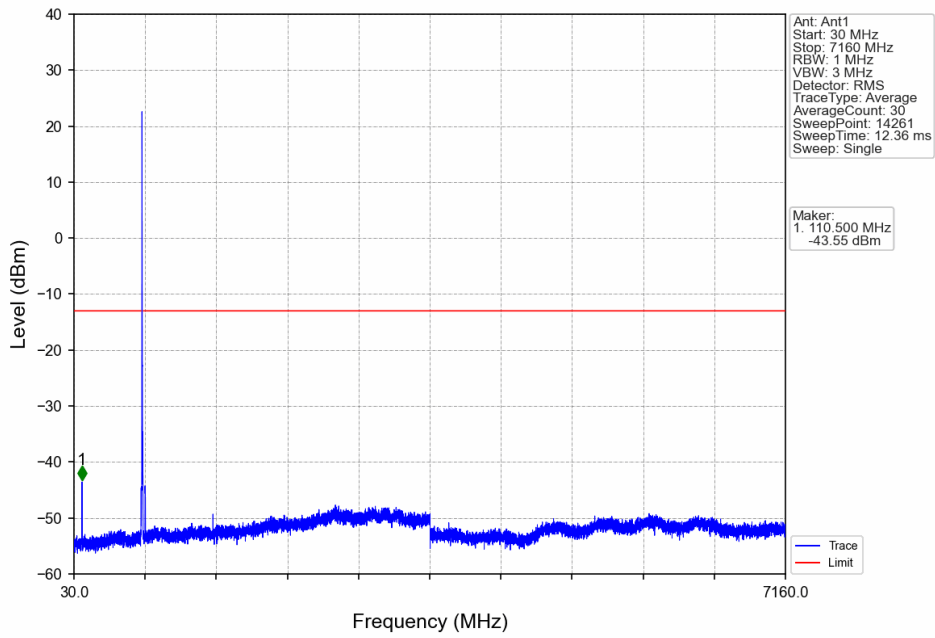
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.93	-13	Pass
703.9	704	0.03	/	2	704.000	-28.39	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV

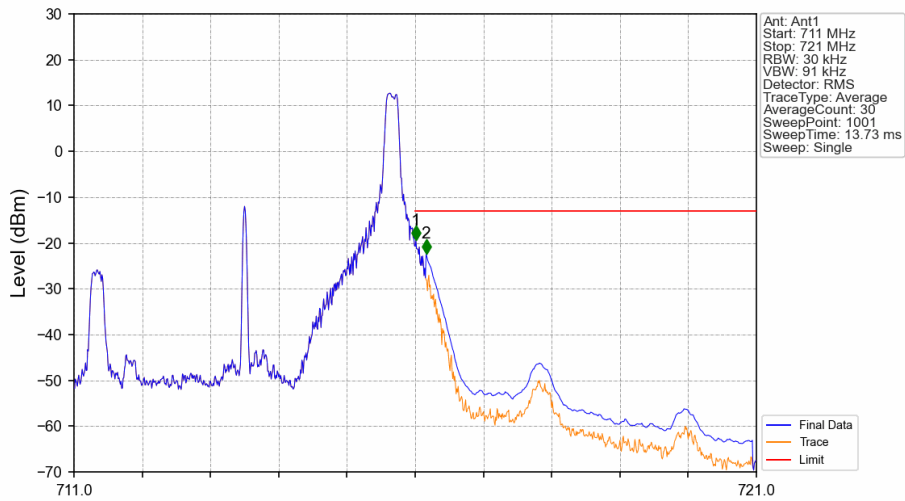


Marker:
1. 739.000 MHz
-43.06 dBm

Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

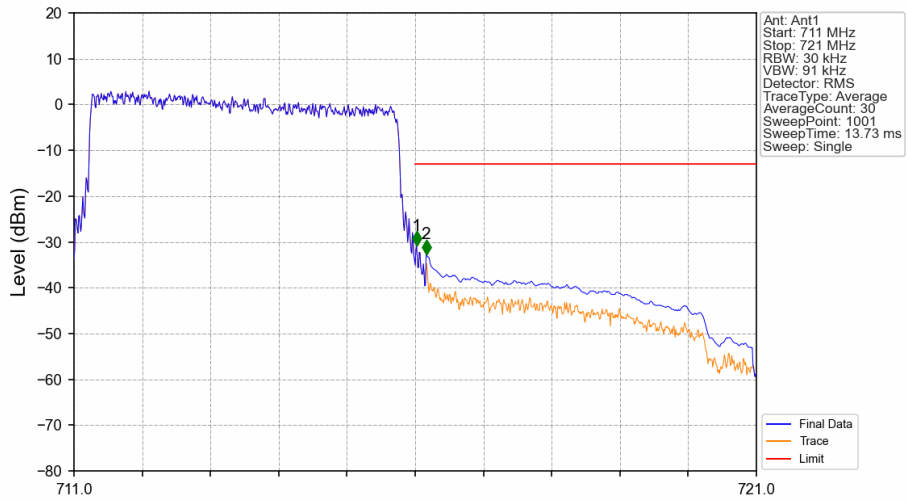


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



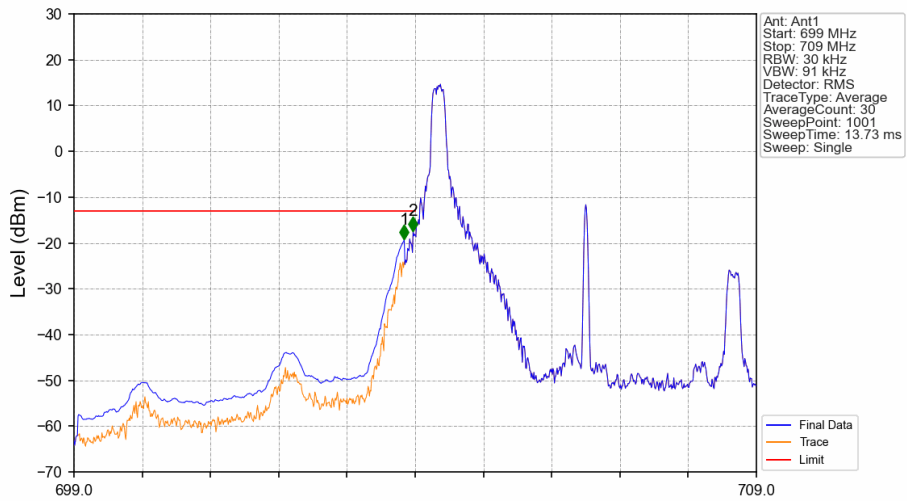
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-19.39	-13	Pass
716.1	721	0.1	CHP	2	716.160	-22.32	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



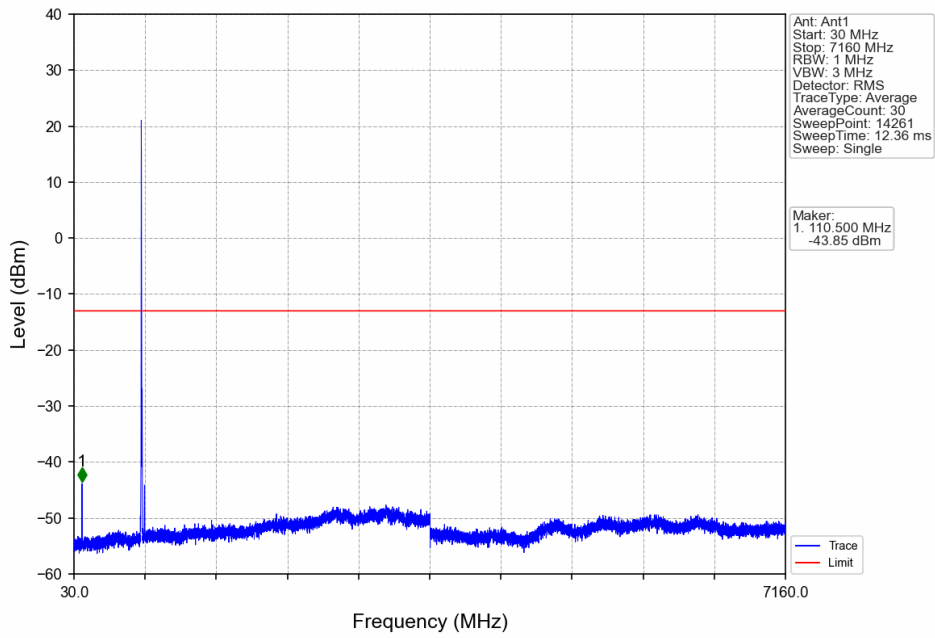
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.020	-30.85	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.66	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

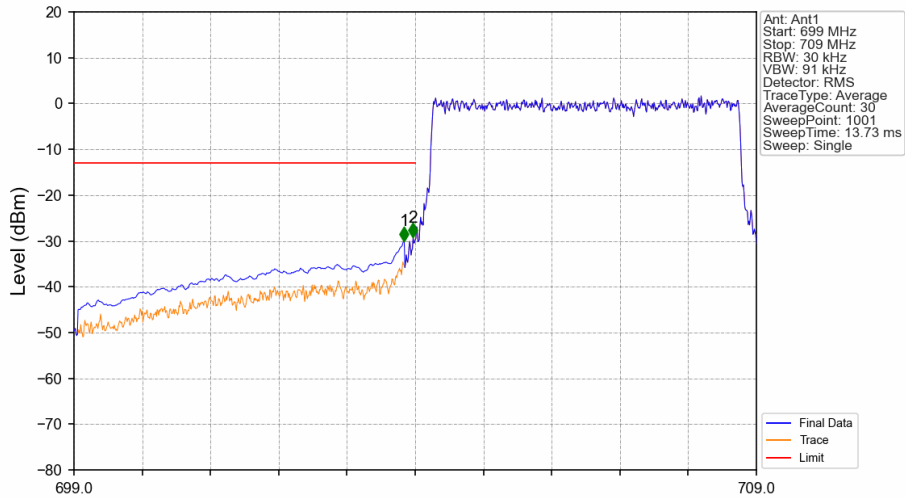


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-19.19	-13	Pass
703.9	704	0.03	/	2	703.970	-17.38	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

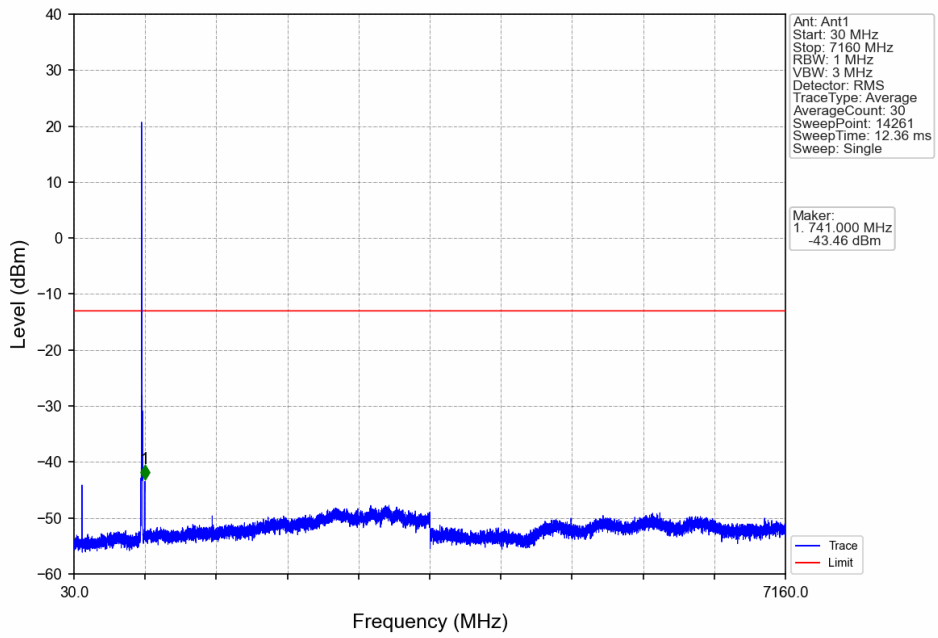


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

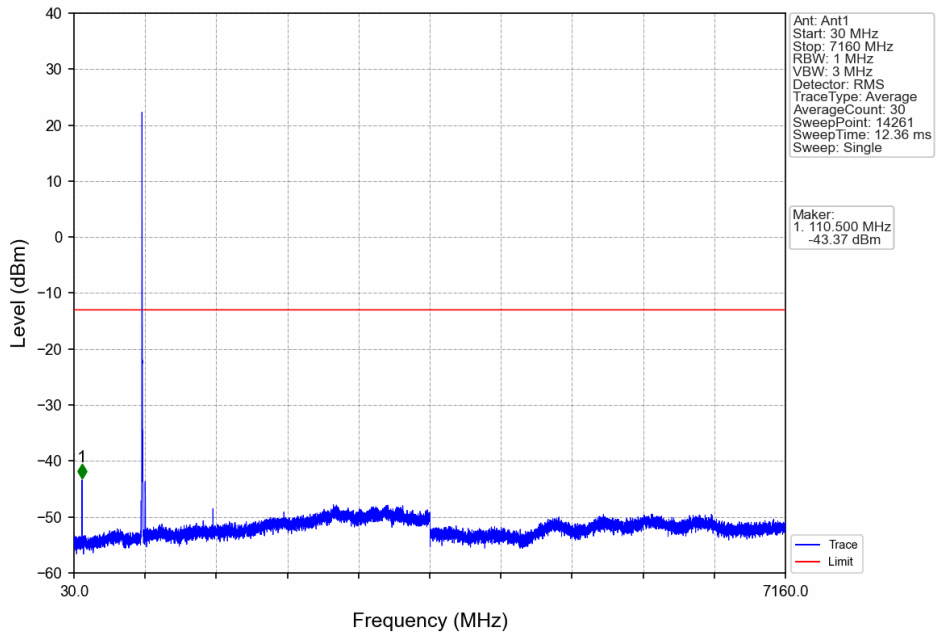


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.02	-13	Pass
703.9	704	0.03	/	2	703.970	-29.19	-13	Pass
704	709	0.03	/	/	/	/	/	/

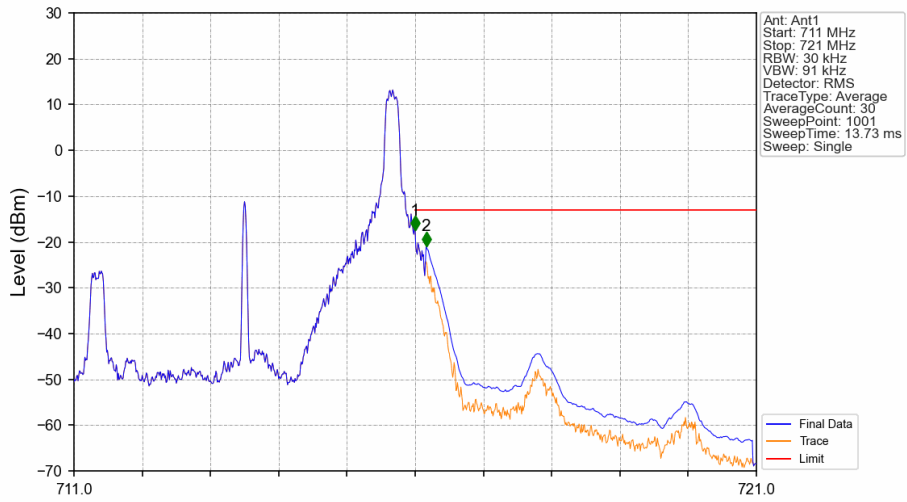
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

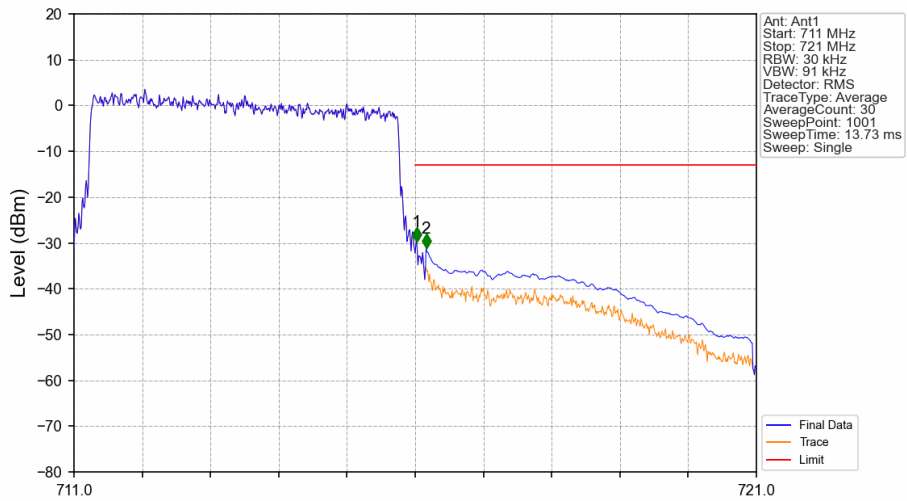


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-17.49	-13	Pass
716.1	721	0.1	CHP	2	716.160	-20.88	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



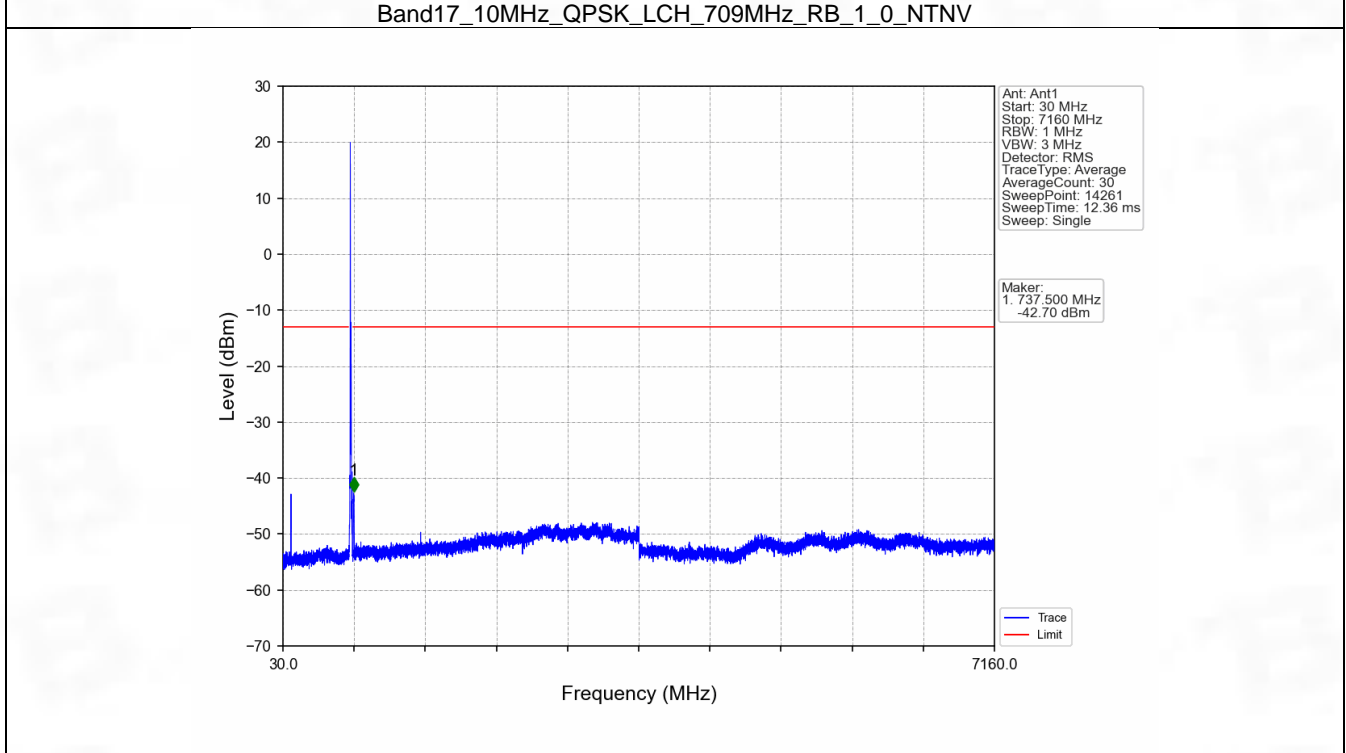
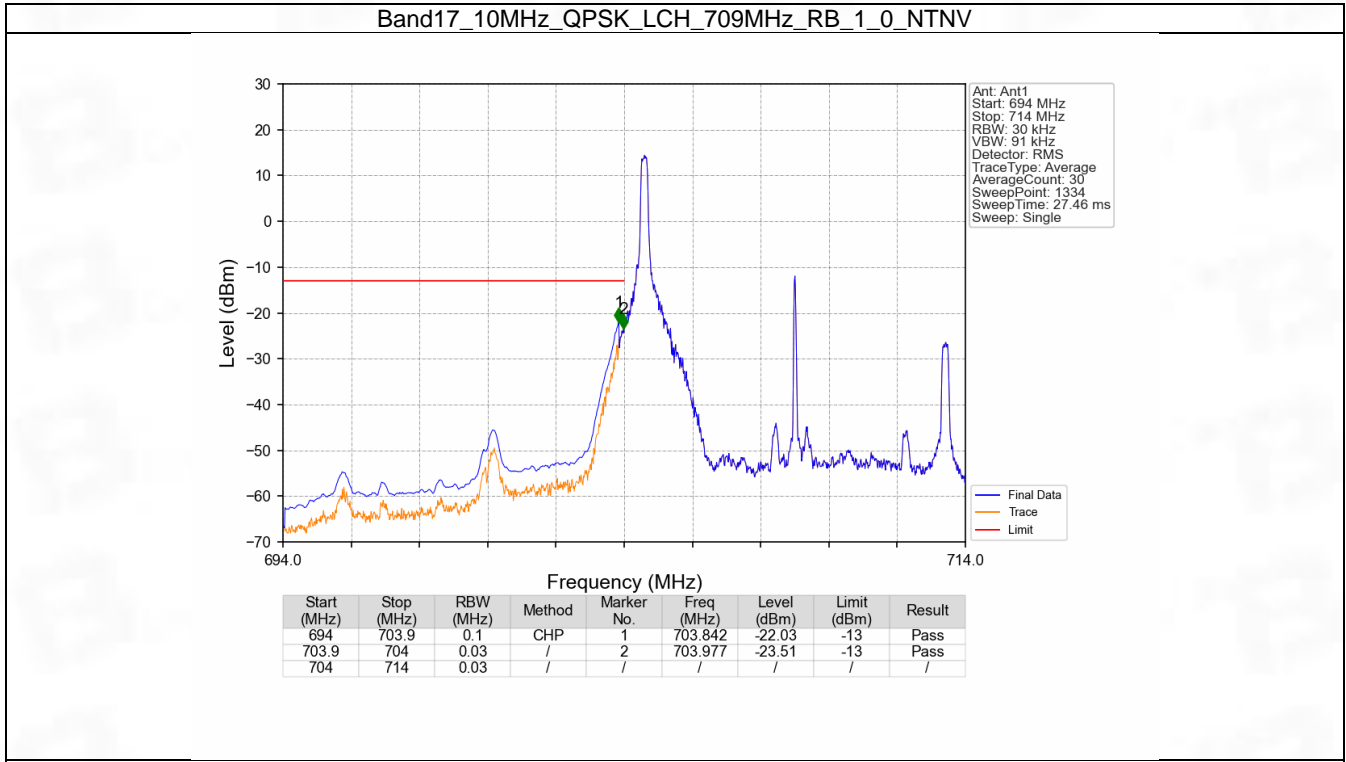
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-29.72	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.19	-13	Pass

6.2 B17_10MHz

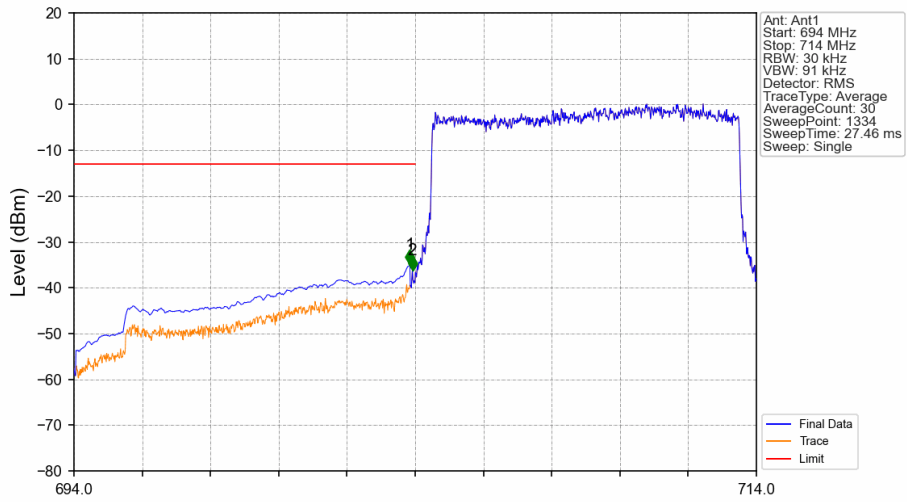
6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2.2 Test Graph

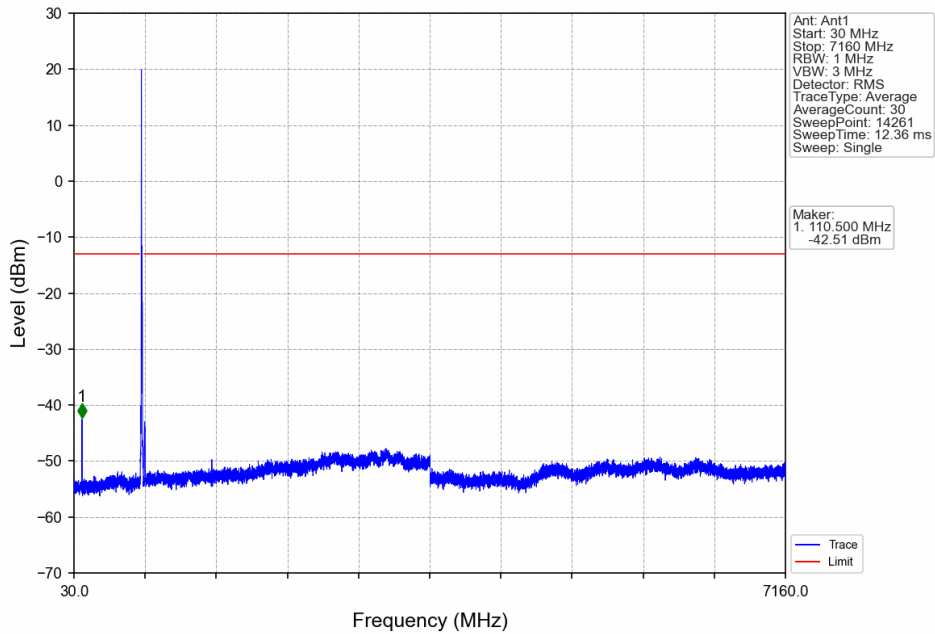


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

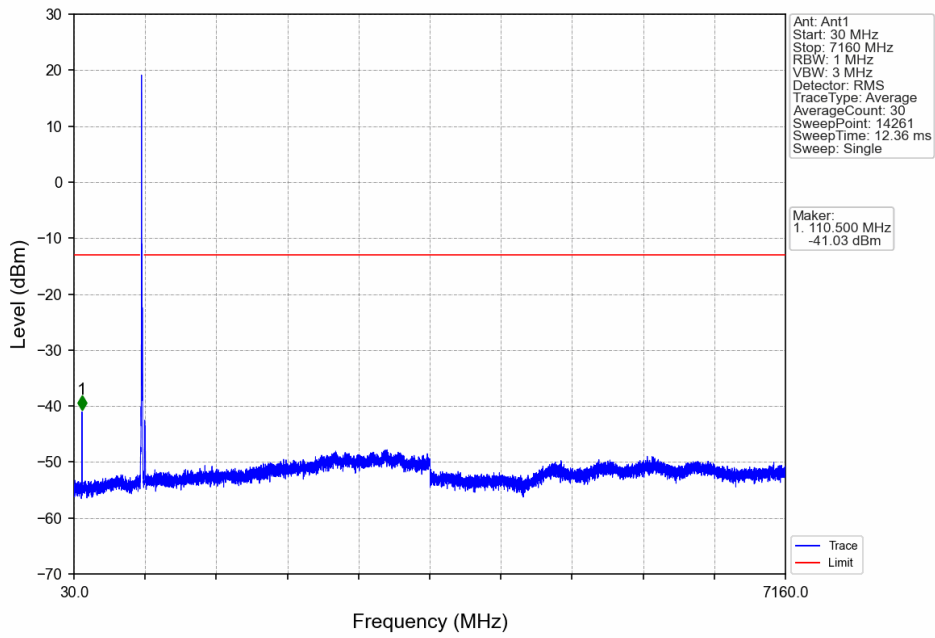


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.80	-13	Pass
703.9	704	0.03	/	2	703.917	-36.17	-13	Pass
704	714	0.03	/	/	/	/	/	/

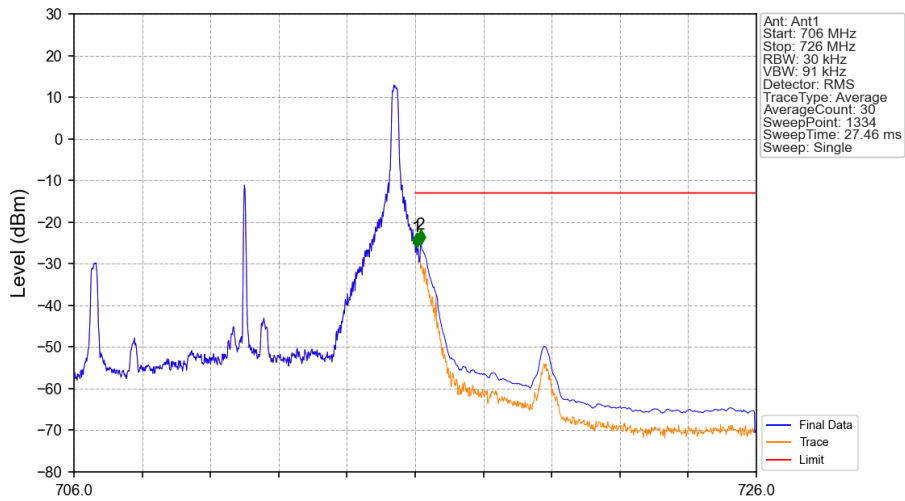
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

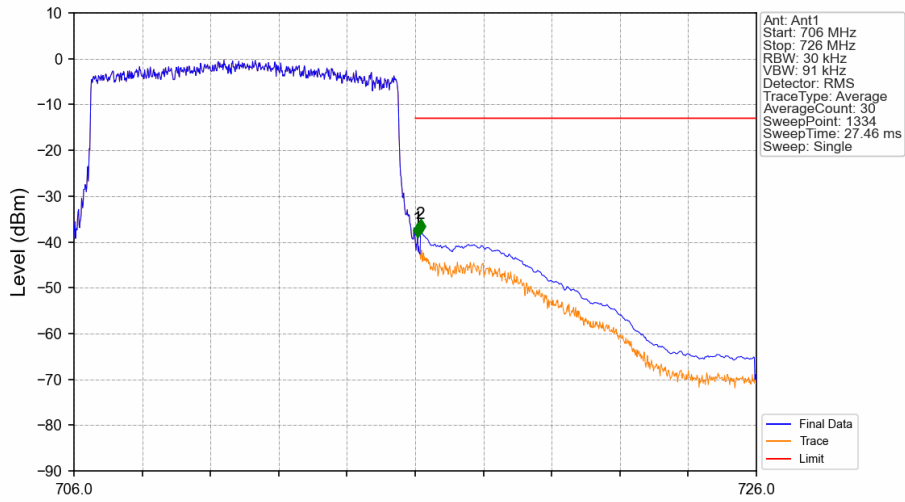


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



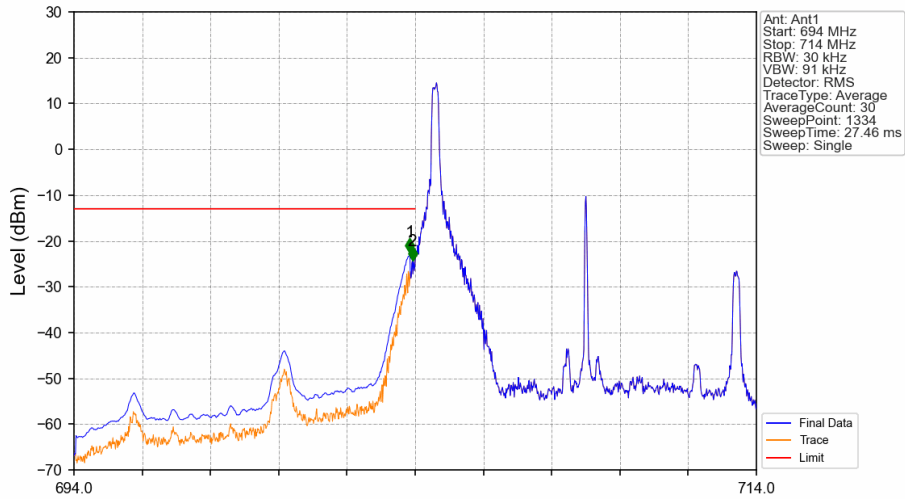
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-25.99	-13	Pass
716.1	726	0.1	CHP	2	716.158	-25.36	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



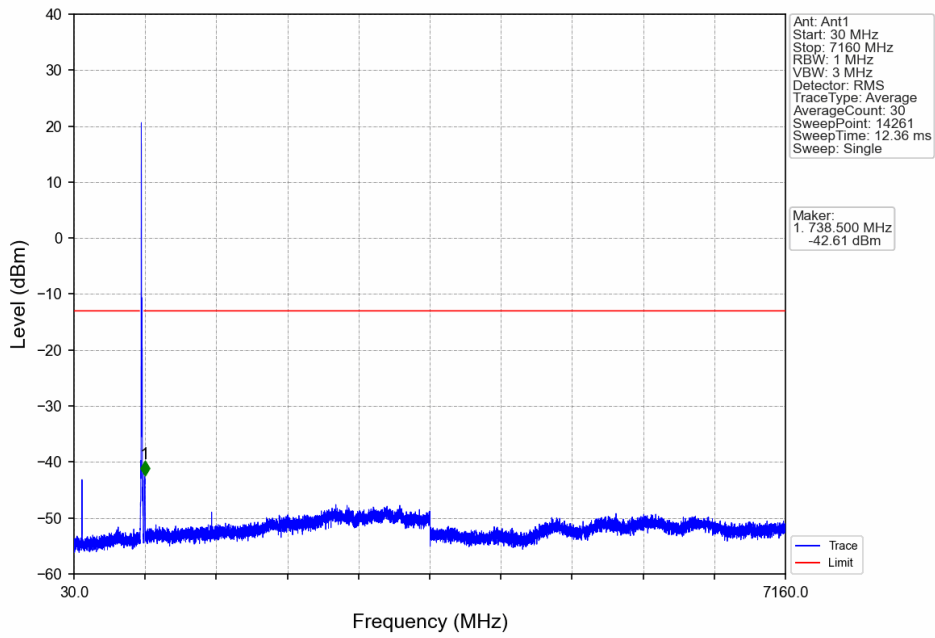
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.068	-39.10	-13	Pass
716	716.1	0.03	/	1	716.068	-39.10	-13	Pass
716.1	726	0.1	CHP	2	716.158	-38.13	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

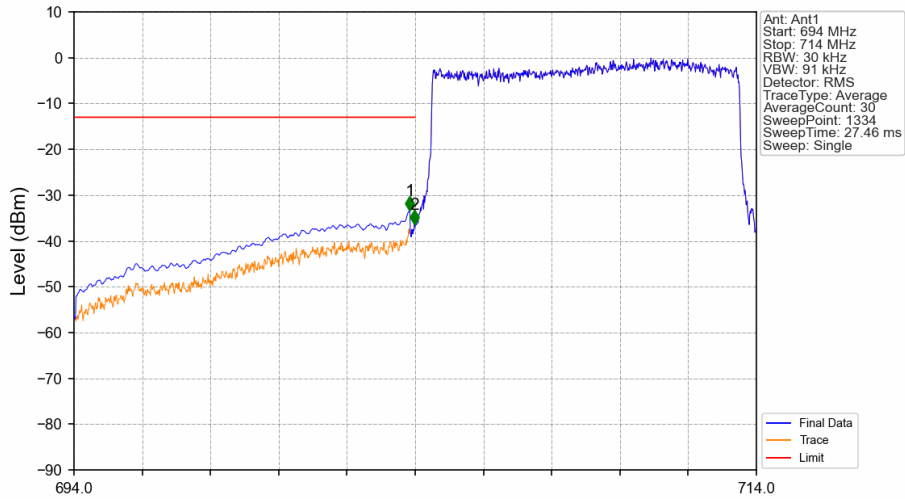


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-22.48	-13	Pass
703.9	704	0.03	/	2	703.917	-24.35	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

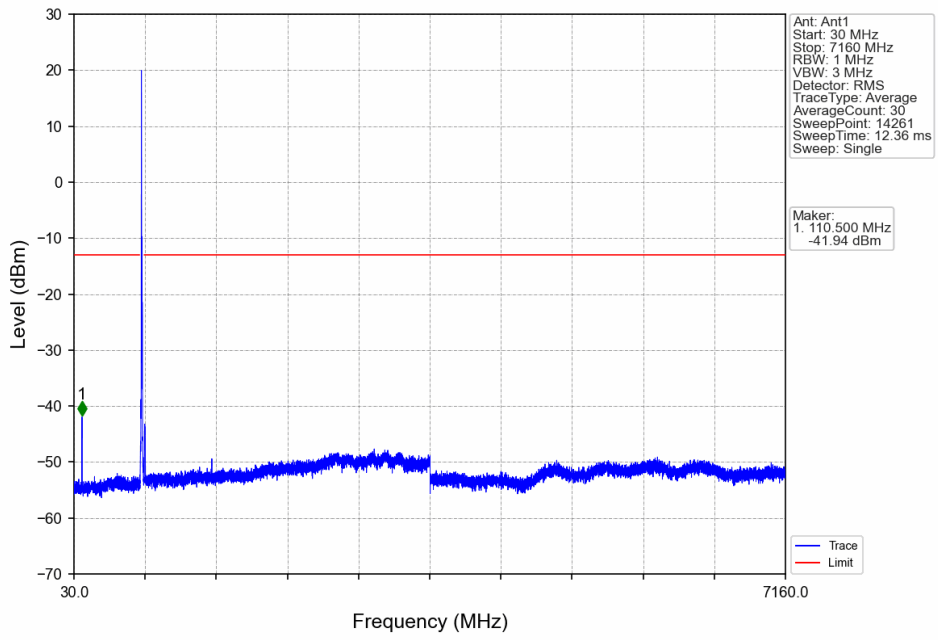


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

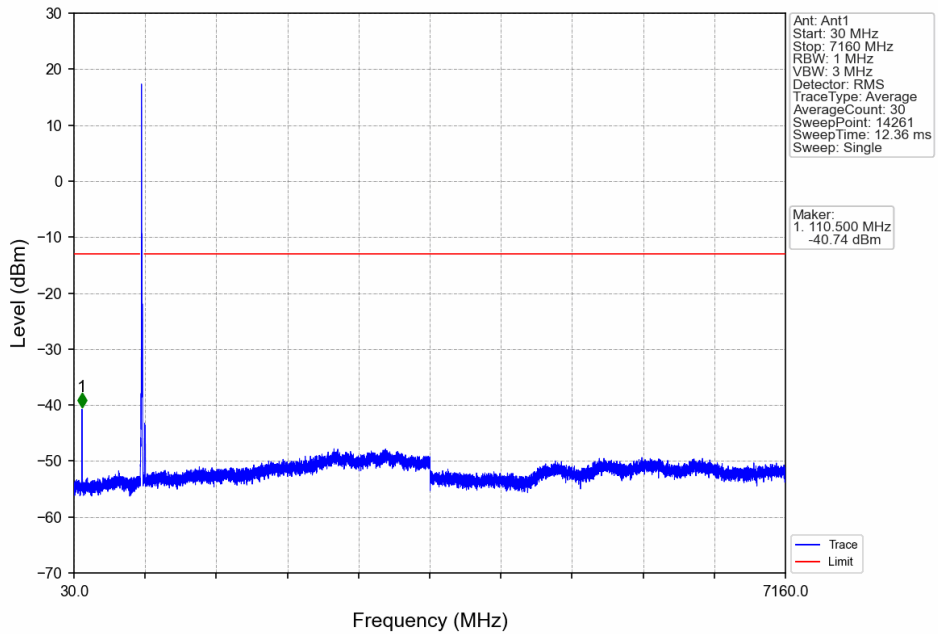


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-33.35	-13	Pass
703.9	704	0.03	/	2	703.977	-36.42	-13	Pass
704	714	0.03	/	/	/	/	/	/

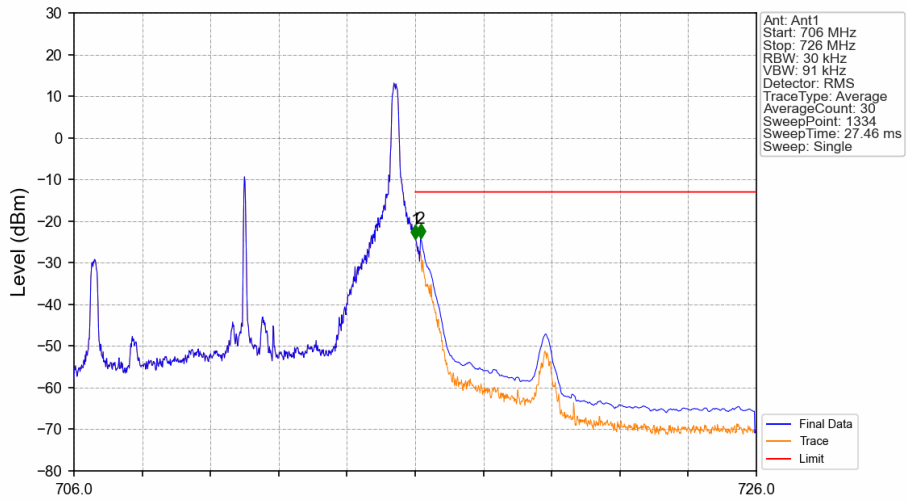
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

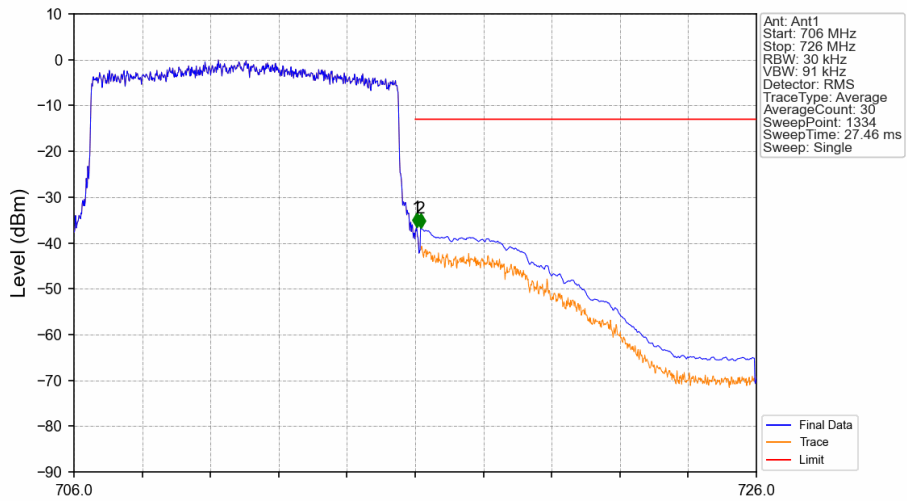


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-24.29	-13	Pass
716.1	726	0.1	CHP	2	716.158	-24.14	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-36.55	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.74	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1730	0.0147	ppm	4M58G7D	27H	22.38
17	5	706.5	713.5	0.1734	0.0159	ppm	4M59W7D	27H	22.39
17	10	709	711	0.1574	0.0142	ppm	9M06G7D	27H	21.97
17	10	709	711	0.1742	0.0140	ppm	9M05W7D	27H	22.41

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1164	0.0147	ppm	4M58G7D	27H	20.66
17	5	706.5	713.5	0.1167	0.0159	ppm	4M59W7D	27H	20.67
17	10	709	711	0.1059	0.0142	ppm	9M06G7D	27H	20.25
17	10	709	711	0.1172	0.0140	ppm	9M05W7D	27H	20.69